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<p>1 SAN FRANCISCO, CALIFORNIA, THURSDAY, JANUARY 25, 2006</p> <p>2 6:02 P.M.</p> <p>3 ---oOo---</p> <p>4 MS. PENDERGRASS: Good evening, everybody.</p> <p>5 Good evening, everyone.</p> <p>6 MR. WORK: Good evening.</p> <p>7 MR. BROOKS: Good evening.</p> <p>8 MS. PENDERGRASS: Welcome, everybody, to the</p> <p>9 Hunters Point Shipyard Restoration Advisory Board</p> <p>10 meeting for Thursday, January 26th, 2006. It's our</p> <p>11 first meeting of the year.</p> <p>12 So, as is our practice tonight, we're going to</p> <p>13 go ahead and introduce everyone that's in the room.</p> <p>14 No dancing allowed, Mr. Tisdell, and no</p> <p>15 entertainment is allowed in this. No entertainment</p> <p>16 tonight.</p> <p>17 MR. TISDELL: Oh, man.</p> <p>18 MS. PENDERGRASS: Okay? Are we all on that?</p> <p>19 We are going to start the year with no entertainment.</p> <p>20 I'm Marsha Pendergrass, and I'm facilitating</p> <p>21 tonight, and we will start with . . .</p> <p>22 MS. BROWNELL: Amy Brownell, San Francisco</p> <p>23 Health Department.</p> <p>24 MS. BROWN: Patricia Brown, artist.</p> <p>25 MS. PENDERGRASS: I'm sorry. Say it again.</p> <p style="text-align: right;">Page 5</p>	<p>1 DR. TOMPKINS: Dr. Tompkins, Community First</p> <p>2 coalition and Bayview-Hunters Point Coalition.</p> <p>3 MS. PENDERGRASS: Oh, welcome, Mr. Tompkins.</p> <p>4 And it's the dancing Mr. --</p> <p>5 MR. TISDELL: -- Tisdell.</p> <p>6 (Mr. Hanif and another attendee</p> <p>7 vocalize.)</p> <p>8 MR. BOARD MEMBER: The reporter can't do that.</p> <p>9 MS. ATTENDEE: How do you spell that?</p> <p>10 MR. AKIYAMA: Wayne Akiyama, Shaw</p> <p>11 Environmental.</p> <p>12 MR. FORMAN: I'd be very interested in seeing</p> <p>13 how the court reporter recorded that sound.</p> <p>14 MS. PENDERGRASS: We're going to give our</p> <p>15 audience and onlookers our complete and undivided</p> <p>16 attention as they introduce themselves starting with --</p> <p>17 MR. AKIYAMA: Wayne Akiyama, Shaw</p> <p>18 Environmental.</p> <p>19 MS. PENDERGRASS: Wayne.</p> <p>20 Did you get that?</p> <p>21 THE REPORTER: Yes.</p> <p>22 MS. PENDERGRASS: Okay.</p> <p>23 MR. SLATTERY: Gerry Slattery, Tetra Tech.</p> <p>24 MS. PENDERGRASS: Thank you.</p> <p>25 MR. PEARCE: Ralph Pearce, Navy Remedial</p> <p style="text-align: right;">Page 7</p>
<p>1 MS. BROWN: Patricia Brown, Shipyard artist.</p> <p>2 MS. PENDERGRASS: Thank you, Ms. Brown.</p> <p>3 MS. RINES: Melita Rines, India Basin</p> <p>4 Neighborhood Association.</p> <p>5 MS. PENDERGRASS: Thank you, Ms. Rines.</p> <p>6 MR. BROOKS: Pat Brooks, Navy lead Remedial</p> <p>7 Project Manager.</p> <p>8 MS. PENDERGRASS: Thank you, Mr. Brooks.</p> <p>9 MR. FORMAN: Keith Forman, your BRAC</p> <p>10 environmental coordinator.</p> <p>11 MS. PENDERGRASS: Yay.</p> <p>12 MR. TISDELL: Boo.</p> <p>13 MR. WORK: Michael Work with EPA.</p> <p>14 MS. PENDERGRASS: Hi, Michael.</p> <p>15 MR. HANIF: Chris Hanif, Young Community</p> <p>16 Developers.</p> <p>17 MS. PENDERGRASS: Mr. Hanif.</p> <p>18 MR. MASON: Jesse Mason, resident.</p> <p>19 Glad to see you, Keith.</p> <p>20 MS. PENDERGRASS: Nice to see you too,</p> <p>21 Mr. Mason.</p> <p>22 MR. LANPHAR: Tom Lanphar, your representative</p> <p>23 from the State of California Department of Toxic</p> <p>24 Substances Control.</p> <p>25 MS. PENDERGRASS: Welcome, Mr. Lanphar.</p> <p style="text-align: right;">Page 6</p>	<p>1 Project Manager.</p> <p>2 MS. PENDERGRASS: Welcome.</p> <p>3 MS. LANE: Jackie Lane, EPA.</p> <p>4 MS. PENDERGRASS: Thank you, Ms. Lane.</p> <p>5 MR. VEDAGIRI: Eli Vedagiri, Barajas &</p> <p>6 Associates.</p> <p>7 MS. PENDERGRASS: Did you get that? No.</p> <p>8 Let's do that again.</p> <p>9 MR. VEDAGIRI: Eli Vedagiri, Barajas &</p> <p>10 Associates.</p> <p>11 MS. PENDERGRASS: Okay. Eli, can you spell</p> <p>12 your last name?</p> <p>13 MR. VEDAGIRI: V-e-d-a-g-i-r-i.</p> <p>14 MS. PENDERGRASS: Thank you so much, sir.</p> <p>15 Thank you.</p> <p>16 MS. MCCRAY: Darlene McCray, CDM.</p> <p>17 MS. PENDERGRASS: Did you get that? Okay,</p> <p>18 great.</p> <p>19 MS. MCCLURE: Joel and Mary McClure, residents</p> <p>20 of Silver --</p> <p>21 MS. PENDERGRASS: Joan and Mary McClure.</p> <p>22 MS. MCCLURE: Joel and Mary --</p> <p>23 MS. PENDERGRASS: Joel --</p> <p>24 MS. MCCLURE: -- McClure --</p> <p>25 MS. PENDERGRASS: -- and Mary McClure, okay.</p> <p style="text-align: right;">Page 8</p>

1 MS. McCLURE: -- residents.
 2 MS. PENDERGRASS: Residents. Joel and Mary
 3 McClure.
 4 Did you get that? Okay.
 5 THE REPORTER: Christine Niccoli, Niccoli
 6 Reporting.
 7 MS. RINES: Who?
 8 MS. PENDERGRASS: We will not be entertained
 9 tonight.
 10 Miss Hunter?
 11 MS. HUNTER: Carolyn Hunter, Tetra Tech EMI.
 12 MS. VETROMILE: Julia Vetromile, Tetra Tech.
 13 EMI.
 14 MS. WILLIAMS: Angela Williams, Barajas &
 15 Associates.
 16 MR. TISDELL: Boo.
 17 MS. PENDERGRASS: Stop it. Mr. Tisdell, you
 18 will not be entertaining tonight.
 19 MR. TISDELL: Okay.
 20 MS. PENDERGRASS: Thank you.
 21 MR. BALTIMORE: Brian Baltimore, Bayview
 22 resident.
 23 MS. PENDERGRASS: Thank you.
 24 MS. MORRIS: Verla Morris, Bayview resident.
 25 MS. PENDERGRASS: Verna?

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1 MS. MORRIS: Verla.
 2 MS. PENDERGRASS: Verla?
 3 MS. MORRIS: Verla, V-e-r-l-a.
 4 MS. PENDERGRASS: And last name?
 5 MS. MORRIS: Morris.
 6 MS. PENDERGRASS: Morris. Thank you.
 7 All right. Anyone else that we didn't
 8 capture?
 9 Sir, back at the table?
 10 Put him on the spot. He's not ready.
 11 All right. Welcome, everybody. Well, tonight
 12 we have a jam-packed, fun agenda. So let's start --
 13 let's see. We have a presentation by Mr. Brooks, and
 14 then we have some subcommittee reports, and we also have
 15 a treatability study question-and-answer session.
 16 Sounds just delightful.
 17 So let's just move right to the approval of
 18 the December 8th agenda -- meeting minutes. Okay. Has
 19 everybody had a chance to review the meeting minutes
 20 from the December 8th meeting, RAB members? All right.
 21 There's a motion on the floor?
 22 MR. TISDELL: I make a motion to pass the
 23 minutes as they are.
 24 MS. PENDERGRASS: All right. There's a motion
 25 on the floor --

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1 MR. TISDELL: I make a motion to the pass the
 2 minutes as they are.
 3 MS. PENDERGRASS: Mr. Tisdell, there's a
 4 motion on the floor.
 5 Any second?
 6 MS. RINES: I second that motion.
 7 MS. PENDERGRASS: Ms. Rines seconded that
 8 motion. Is there any discussion, deletions, additions,
 9 comments on the minutes?
 10 MR. BROOKS: Are we clear that we have a
 11 quorum?
 12 MS. PENDERGRASS: What's that, Mr. Brooks?
 13 MR. BROOKS: Are we clear there's a quorum?
 14 MR. TISDELL: Yes.
 15 MS. PENDERGRASS: That's a good point.
 16 MR. TISDELL: Yes.
 17 MS. PENDERGRASS: Thank you, Mr. Brooks, for
 18 reminding me of that. I saw Melita come in and
 19 Mr. Mason, so I thought we did. But we should just go
 20 on record and make sure we have a quorum.
 21 How many full RAB members do we have,
 22 Mr. Tisdell?
 23 MR. TISDELL: We have six.
 24 MS. PENDERGRASS: Six full RAB members?
 25 MR. TISDELL: Yes, that's present.

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1 MS. PENDERGRASS: No. I said how many do we
 2 have on the rolls?
 3 MR. TISDELL: Oh. Ten.
 4 MS. PENDERGRASS: Ten. And a quorum is --
 5 MR. TISDELL: -- three -- I mean, well, four.
 6 But we have six.
 7 MS. PENDERGRASS: A third?
 8 MR. TISDELL: A third, but we have six that
 9 are present.
 10 MS. PENDERGRASS: Okay. Very fine. Thank you
 11 very much. We have to go through that --
 12 MR. TISDELL: No problem.
 13 MS. PENDERGRASS: -- that exercise.
 14 Okay. All right. So we have a motion on the
 15 floor. We have a second.
 16 Any more discussion?
 17 Okay. All in favor of accepting the minutes
 18 as written for -- from the December 8th meeting as part
 19 of the official record, signify by saying, "Aye."
 20 THE BOARD: Aye.
 21 MS. PENDERGRASS: Those opposed? Any
 22 abstentions?
 23 Two abstentions, let it be noted. All right.
 24 Very good. So those are entered into the record.
 25 We do have some action items to review. In

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1 December we had one carryover item, and Mr. Hanif of
2 Young Community Developers said he would contact Charles
3 DePew, the Navy's Contracting Officer, to schedule the
4 next Economic Subcommittee meeting.

5 Mr. Hanif, has that taken place?

6 MR. HANIF: I'll discuss that at the report
7 for the Economic Subcommittee.

8 MS. PENDERGRASS: So yes or no?

9 MR. HANIF: Yes and no, I will not be the
10 one -- I'll mention that at the Economic Subcommittee --

11 MS. PENDERGRASS: So shall we take this off as
12 a --?

13 MR. HANIF: You can take that off.

14 MS. PENDERGRASS: We'll take -- okay. So
15 we're removing Carryover Item No. 1. That's been
16 satisfied.

17 New item would be: The Navy will provide a
18 list of all businesses in the Bayview community that
19 have been retained by the Navy contractors. The person
20 authorizing this item was Mr. Morrison, who isn't
21 present yet.

22 But Mr. Brooks, did you want to address that
23 for the record?

24 MR. BROOKS: Yes. I'm not quite finished with
25 compiling that list, so I'd like to carry it over until

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1 next month.

2 MS. PENDERGRASS: A little too much holiday
3 spirit? All rightie, then. So we are going to carry
4 that over till February?

5 MR. BROOKS: Please.

6 MS. PENDERGRASS: All right.

7 So let the record reflect that New Item 1 will
8 be carried over till the February RAB meeting.

9 Item No. 2: "U.S. Environmental Protection
10 Agency staff will provide a Technical Assistance Grant
11 update at the January RAB meeting." Mr. Morrison
12 brought that forward.

13 Mr. Tompkins, can you shed light on this?

14 DR. TOMPKINS: I'll address that.

15 "Dr. Tompkins." Goddamn.

16 MS. PENDERGRASS: I'm sorry?

17 DR. TOMPKINS: "Dr. Tompkins," please.

18 MS. PENDERGRASS: I'm sorry, Dr. Tompkins.
19 Please forgive my manners.

20 DR. TOMPKINS: Only when I'm -- I must have
21 made you mad.

22 CSF will have submitted in to the EPA the
23 criteria that we'll use for evaluating the next grant,
24 technical grant review.

25 Also, I would be -- I apologize, but I didn't

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1 give over to Miss Lane this evening the advertisement
2 for their approval that we will be advertising in the
3 Bayview newspaper for the RFP, request for proposal, for
4 that. And it is our time line, a projection, hopefully
5 by the end of February we will have reviewed, evaluated,
6 and negotiated the contract with -- for the new team.

7 MS. PENDERGRASS: Okay. So as far as an
8 update on the TAG grant, and you're saying that it's
9 kind of postponed --?

10 DR. TOMPKINS: No, no. What it is, is --

11 What I'm stating is that we've acted upon this. We set
12 the criteria. We submitted it in. EPA is reviewing it.

13 Then we have to submit in the advertisement
14 before they go in the newspaper so it meets federal
15 requirements.

16 Then it will be published in the new Bayview
17 and announced on a radio show that -- on KPOO radio that
18 and up for an RFP.

19 Then in the month of February, we will review
20 the candidates; and hopefully, by the end of month, we
21 will then taken our vote; and in March you will meet the
22 new TAG grant candidate, employee --

23 MS. PENDERGRASS: Okay.

24 DR. TOMPKINS: -- for it. So that we are
25 moving on it, and we hope beginning of March they will

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1 be on board. That's our projected time line.

2 MS. PENDERGRASS: Okay. So is that something,
3 though, that the subcommittee of the RAB should actually
4 be discussing as --?

5 MR. FORMAN: No.

6 MS. PENDERGRASS: -- as a subcommittee, or is
7 that something that you're handling?

8 DR. TOMPKINS: That's CFC's pro- -- The
9 Technical Committee has nothing to do with that at all.

10 MS. PENDERGRASS: Okay. All right. Very
11 fine.

12 Miss Lane, did you have anything else to add
13 to that?

14 All right. Any other questions on that?

15 All right. Very good. Then that will also be
16 removed as satisfied.

17 All right. Mr. Forman, did you have any
18 announcements this evening?

19 MR. FORMAN: I do, indeed. Thank you.

20 First of all, Barbara Bushnell unfortunately
21 couldn't be here tonight. She's with her brother who is
22 very, very ill; and she's caring -- helping to care for
23 him. And if you could keep her in your thoughts and
24 your prayers, she would appreciate that.

25 Just wanted to give you a couple of

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<p>1 announcements. I'd like to -- First of all, I'd like 2 to request a slight schedule change. I want to add a 3 short Navy presentation tonight on the landfill to give 4 a slight landfill Site 1 update.</p> <p>5 As you -- many of you know, we do monitoring 6 on a monthly basis at the landfill, and we have some -- 7 the latest data to put out; and I'd like Mr. Pat Brooks 8 to give a short presentation following my presentation 9 tonight.</p> <p>10 MS. PENDERGRASS: If I might, I think that's 11 an excellent idea; but can we do that after the 12 subcommittee reports?</p> <p>13 MR. FORMAN: Yes, ma'am.</p> <p>14 MS. PENDERGRASS: So then we will have the 15 treatability study, a break; we'll have the 16 question-and-answer; then we'll have subcommittee and 17 then that piece. Does that make sense?</p> <p>18 MR. FORMAN: Yes.</p> <p>19 MS. PENDERGRASS: Okay.</p> <p>20 MR. FORMAN: Thank you.</p> <p>21 MS. PENDERGRASS: Anybody else?</p> <p>22 MR. FORMAN: Okay.</p> <p>23 MS. PENDERGRASS: Mr. Tompkins and 24 Mr. Tisdell, would you all like to share?</p> <p>25 DR. TOMPKINS: We're trying to when would be</p> <p style="text-align: right;">Page 17</p>	<p>1 February, also at 6 o'clock I believe also at the 2 library, we have a Technical Subcommittee meeting. 3 That's important because I understand the Technical 4 Subcommittee hasn't really met in a period of time.</p> <p>5 And we're going to go over Hunters Point 6 groundwater, the program, what we know about it, and the 7 basics. So it will be like a Groundwater 101 meeting 8 Thursday, February 9th, 6 p.m.</p> <p>9 And that's the following -- The previous day, 10 on the 8th, is the Membership, Bylaws and Community 11 Outreach Subcommittee also at the library at 6 p.m. And 12 I'd just like to say there is: What we are talking 13 about is the population of the RAB, the RAB members, has 14 decreased over time, which is natural in some ways.</p> <p>15 But what we need to do is -- what I'm required 16 to do is to continue to brainstorm and with your help 17 get new members into the RAB and get community 18 representatives here and to build up the audience that 19 comes to the Restoration Advisory Board meetings. So 20 that's what we'll be talking about.</p> <p>21 To that end, I just want to make an 22 announcement that the final meeting -- and this is a 23 Citizens Advisory Committee, a C.A.C., meeting; I'll be 24 attending the next one. It's on Monday, February 13th, 25 at 6 p.m., I believe, in this building [indicating], and</p> <p style="text-align: right;">Page 19</p>
<p>1 the proper order for me to make an announcement.</p> <p>2 MS. PENDERGRASS: Okay.</p> <p>3 DR. TOMPKINS: So I was trying to coordinate 4 with him when in the agenda.</p> <p>5 MS. PENDERGRASS: Did you want to be added to 6 the agenda, sir?</p> <p>7 DR. TOMPKINS: Yes, if -- however you wish, 8 Madame.</p> <p>9 MS. PENDERGRASS: Okay. We can add you 10 after -- at the community comment period if you'd like.</p> <p>11 DR. TOMPKINS: Okay. Whichever.</p> <p>12 MS. PENDERGRASS: Okay. Our community 13 co-chair is not here tonight. Mr. Morrison is going to 14 be speaking on her behalf. So, Mr. Forman?</p> <p>15 MR. FORMAN: Yes, ma'am. Actually, I had --</p> <p>16 MS. PENDERGRASS: You hadn't finished?</p> <p>17 MR. FORMAN: Right. I had further Navy 18 announcements. So --</p> <p>19 MS. PENDERGRASS: Okay. Continue, please.</p> <p>20 MR. FORMAN: Okay. Just wanted to quickly go 21 over some of the dates in the future for meetings.</p> <p>22 We have a Membership, Bylaws and Community 23 Outreach meeting on February 8th at 6 o'clock at the 24 Anna Waden Library.</p> <p>25 And the following day, on Thursday, the 9th of</p> <p style="text-align: right;">Page 18</p>	<p>1 I'll be attending with Barbara Bushnell, your community 2 co-chair.</p> <p>3 And we're going to go to the Citizens Advisory 4 Committee meeting, which is the City of San Francisco's 5 equivalent to this meeting, the RAB meeting. And I'll 6 be speaking on the program, just the basics of the 7 program, but focusing in on asking the Citizens Advisory 8 Committee to nominate a new member. This Restoration 9 Advisory Board should have a CAC representative on it.</p> <p>10 And so I will be there recruiting for a new 11 member and for anyone in the audience that also wants to 12 join the RAB. Hopefully, we can get a number of people 13 to cross over into both committees. I think that's 14 healthy for the process.</p> <p>15 End of my announcements.</p> <p>16 MS. PENDERGRASS: And, Miss Hunter, you'll 17 make sure that all of those announcements are duly 18 circulated to everyone else?</p> <p>19 MS. HUNTER: Yes.</p> <p>20 MS. PENDERGRASS: Okay.</p> <p>21 MS. HUNTER: Yes.</p> <p>22 MS. PENDERGRASS: I think that that was really 23 good, Mr. Forman, that -- the purpose of why those 24 meetings are, what's going to happen at those meetings, 25 a little agenda preview. If we could put that in with</p> <p style="text-align: right;">Page 20</p>

1 the announcement, I think it would be -- get a little
2 bit more. Okay.

3 All right. As I said previously, Mr. Morrison
4 hasn't made it yet. So if he does come tonight, he is
5 expected -- perhaps we could fit him in later on in the
6 agenda for any community announcements he might have.
7 Is that okay with the RAB? Okay.

8 DR. TOMPKINS: Huh?

9 MS. PENDERGRASS: All right. I beg your
10 pardon?

11 DR. TOMPKINS: I didn't -- I didn't hear you
12 clear. I'm sorry.

13 MS. PENDERGRASS: Mr. Morrison hasn't arrived
14 yet, and he's filling in for Miss Bushnell.

15 DR. TOMPKINS: Yeah.

16 MS. PENDERGRASS: So he might have some
17 community announcements, and I was asking if it would be
18 all right to adjust the agenda when he does come --

19 DR. TOMPKINS: I just didn't hear the first
20 part.

21 MS. PENDERGRASS: -- if and when he does come.

22 All right. So let's continue on, then, at
23 this point with the Navy's treatability study
24 presentation.

25 MR. FORMAN: Okay. Lights.

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1 MS. PENDERGRASS: Camera?

2 MR. TISDELL: Action.

3 MR. FORMAN: Okay. Can everyone hear me,
4 including the audience members? Good. Okay.

5 Okay. If you could, listen up. And I'd like
6 to take questions, as the schedule indicated, after the
7 break. And what I'm going to try to do -- we're running
8 ahead of schedule tonight, which is great, because I've
9 just requested another presentation to follow this
10 evening before we adjourn, and I still would like to do
11 that and accomplish getting out of this meeting on time.

12 Okay. Let's start off. Today's topic is: We
13 have done a lot of different things in the last year at
14 Hunters Point, but I wanted to inform the RAB and get
15 you involved in the latest treatability study we're
16 going to do at Hunters Point. It happens to be on
17 Parcel C.

18 And to refresh those on the RAB's memory or to
19 talk to the audience that maybe hasn't been here before,
20 in the environmental program, a treatability study is
21 really something -- a gauged experiment, an
22 investigation, of a technology at a particular site at
23 Hunters Point.

24 And it's on a smaller scale usually than it
25 would be if we know the technology's going to work and

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1 then we use that technology to clean up a site or a
2 unit. Sometimes what we like to do is treat it on a
3 smaller scale, and therefore we call it a treatability
4 study.

5 So what this is is a study in a place in
6 Parcel C on the base where we want to try out a
7 technology, gather data from it, and determine how
8 effective it is before we propose to you and to the
9 regulators to use it on a larger scale.

10 And we have had a number of these on Hunters
11 Point. Sometimes it was successful, and we're going to
12 propose it in the future. And other times it looked
13 like it wasn't a good fit at Hunters Point, and it
14 doesn't really work as well as we wanted it to; then we
15 learn a lot from that too, and then we don't propose it.

16 Okay. So what are we going to cover tonight
17 in a nutshell? I'll go over a little bit of background
18 information on where we're going to do the treatability
19 study and talk about really what we're addressing in the
20 groundwater, because the contaminants we're going to
21 talk about are not where you can see them if you walk on
22 the base. They're in the groundwater subsurface.

23 And talk a little bit about the elements of
24 what we're going to do in the treatability study, what
25 we set out to do, what it's going to look like and what

Page 23

1 we're going to collect, and then finally . . . and then
2 just give you a little summary of our approach and the
3 time frame.

4 All right. Some of you are much more familiar
5 with Hunters Point than others. If you can follow me up
6 here, I hope you can see this map.

7 When you come down Innes here, you enter the
8 base. As you know, we have different parcels. What
9 we're going to be talking about today is Parcel C.
10 Parcel C is where our -- where this treatability study
11 is going to take place. It's going to take place in
12 this area [indicating]. This is San Francisco Bay.

13 And it's going to take place in this area
14 [indicating] because this area has groundwater plumes.
15 It has some chemicals that are in the groundwater that
16 are beneath the surface in this area, and you can see
17 the outlines of these buildings right here [indicating].
18 It's around the area of three buildings: 231, 211, and
19 253. Okay.

20 So talking about this area [indicating]. And
21 where we're going to set up shop, so to speak, is here
22 [indicating], part of Building 253.

23 Thank you. Okay. Next slide. Is that
24 everything on the whole slide? Thanks. Just -- Julia,
25 I would probably work better if you just put everything

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<p>1 up at the site. When you do that little thing, you sort 2 of tease me, and I don't know if there's something else 3 to say or not. I'm not too good at that.</p> <p>4 Okay. So the Navy always uses acronyms to 5 represent things, and it could be confusing unless you 6 work at this day in and day out. But RU-C1 is really 7 Remedial Unit --</p> <p>8 DR. TOMPKINS: You had it for a second.</p> <p>9 MR. FORMAN: Yeah, okay.</p> <p>10 -- Remedial Unit C1. "C" means it's at 11 Parcel C where I showed you; "1" is just the first of a 12 labeling system we have for a bunch of remedial units.</p> <p>13 What's a remedial unit? Remedial Unit is just 14 a -- really a gathering sort of a collection area, an 15 organized area, where there are contaminants in the 16 groundwater in such a way that if you measure them and 17 contour them, you can see that it's an area. It's a 18 unit of contamination. "Remedial unit" being 19 representing the fact that it's something that we need 20 to clean up, or in our business we call it remediate.</p> <p>21 So it's a unit of groundwater at Parcel C near 22 these three buildings that I showed you.</p> <p>23 Now, the background is -- in these buildings, 24 this, of course, was a shipyard; and they did a lot of 25 very heavy industrial processes. Anything when a ship</p> <p style="text-align: right;">Page 25</p>	<p>1 the things that went on there.</p> <p>2 So a lot of what we're dealing with here is 3 chemicals that were used to clean things, to degrease 4 things, solvents, cleaning materials, things like that.</p> <p>5 Over time what most likely happened is: These sumps 6 were not perfect over time; and there was piping 7 associated, and there were tanks in the area; and all of 8 these things over time tended to leak. There were 9 probably releases there over a significant period of 10 time.</p> <p>11 Okay. This is a picture of Building 253. We 12 like to show this because we like to show off the 13 building as one of the more interesting buildings on 14 Hunters Point. If you've been out there much, it's -- 15 what, six-, seven-story building. Pretty interesting 16 architecture: a lot of windows. They used to repair 17 and do maintenance on periscopes for submarines in that 18 building, but they did a lot of other interesting 19 processes right alongside it as well.</p> <p>20 Next slide.</p> <p>21 Okay. So what are we looking at in these 22 chemicals that we want to test this technology on? The 23 primary chemicals as -- again, it's all in the 24 groundwater. It's not in the soil of Hunters Point, but 25 it's in the groundwater. We're looking at these</p> <p style="text-align: right;">Page 27</p>
<p>1 pulled in that they needed to have done was pretty much 2 done at Hunters Point.</p> <p>3 But some of the things that Hunters Point 4 specialized in doing was: It could fix or manufacture 5 on its own almost any part a Navy ship needed if that 6 part broke. So you didn't necessarily have to go out to 7 the manufacturer. A lot of things were built on Hunters 8 Point and cleaned and repaired.</p> <p>9 So these three buildings were involved in all 10 that. And because they were involved in all that, they 11 did certain things.</p> <p>12 They used things like degreasers. They did a 13 lot of parts washing, and they had a lot of sumps, 14 collection points where they would put parts -- a lot of 15 metallic parts in places and use certain chemicals on 16 them sometimes to strip them down so that they could get 17 to do whatever they needed to that part, whether it was 18 a repair or finishing it, polishing it off. And that 19 was a process that went on for years there at Hunters 20 Point.</p> <p>21 In Building 253, we have solvent tanks, paint 22 booths, dip tanks, things like that. And we also have 23 underground storage tanks for fuel, oil, and solvents 24 that you would expect to find around these buildings. 25 And all they did was basically supply the buildings for</p> <p style="text-align: right;">Page 26</p>	<p>1 chemicals [indicating]. And as the community . . .</p> <p>2 No, it's not. Okay. I'll take lessons later.</p> <p>3 These chemicals are all solvents, as we said: 4 degreasers, cleaners. And they have names: PCE, TCE, 5 DCE, and VC. Those are just abbreviations of chemical 6 names. You're familiar with a lot of them. There's 7 still a lot of them are used.</p> <p>8 For instance, PCE is a type of chemical you 9 probably find if you were in a dry-cleaning plant; take 10 your clothes off to get dry-cleaned.</p> <p>11 Okay. So those are the chemicals that have 12 been released into the groundwater over time.</p> <p>13 Okay.</p> <p>14 All right. Other chemicals that are there are 15 DCA; benzene, which is present in a lot of your fuel 16 products; DCB and other petroleum products that are 17 probably associated with those underground storage tanks 18 that were in the ground.</p> <p>19 Okay.</p> <p>20 All right. Well, I hope you can see that in 21 the back row. I don't know how easy this is for you to 22 see. But here's just contours. I love this figure 23 because it really gives you an idea of what we're 24 dealing with.</p> <p>25 Each one of these colors is a different one of</p> <p style="text-align: right;">Page 28</p>

1 the chemicals that I mentioned. This is PCE, TCE, DCE,
2 and vinyl chloride. Each one of these colors represents
3 areas in the groundwater beneath the surface of areas of
4 concentration of these chemicals. And these are the
5 outlines -- I hope you can see it here -- of the big
6 long building here, 231, 253, 211.

7 So beneath these and around these buildings,
8 you can see these are different areas where we've done
9 these investigations; and we've used
10 groundwater-monitoring wells, and we've been able to
11 find and plot concentration levels of these chemicals.
12 And as you could see, they overlap, don't follow any
13 particular shape.

14 And I hope you can make out here, we're also
15 looking at the end of Parcel C and then on into San
16 Francisco Bay.

17 And that's one of the Navy's concerns, the
18 regulators as well, is that these chemicals that are in
19 the groundwater -- and they've been in the groundwater
20 for decades. Many of these plumes may have been created
21 in the 1950s, 1960s.

22 As you might know, Hunters Point Shipyard
23 operations -- the proper shipyard operations actually
24 ceased in 1974; and then there was a lessee, Triple A,
25 that came in and did some limited operations on the base

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1 heard the term anaerobic environment -- under the ground
2 where the groundwater is, we are going to enhance that
3 environment.

4 Then Stage 2 we're going to enhance the
5 oxygenated environment, and I'll get into that a little
6 bit next two slides.

7 And then Stage 3 we might include adding
8 oxygen as a third stage, kind of a third level of attack
9 on the contaminants to see what happens.

10 Okay. Next slide.

11 Okay. So some of the things we're going to
12 look at doing is: We are going to see how successful at
13 this particular site on the base this technology is.

14 And we're going to gauge; we're going to gather data at
15 each stage and see really what's happened and how
16 successful the things we're going to introduce into the
17 groundwater -- how effectively they eat the contaminants
18 and reduce the levels of contamination where they are
19 injected.

20 And then we are going to minimize impacts at
21 the same time so that we don't push anything down deeper
22 into the groundwater or take a contaminant and displace
23 it out into a wider area.

24 Okay. Okay.

25 All right. So Stage 1. What you have to know

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1 after that.

2 But many of these plumes may be decades old;
3 but they're still there, contaminants at certain levels.
4 And our concern is -- One of our concerns is to be
5 protective and to eventually to find a good technology
6 to clean -- to remediate these to clean them up before
7 they reach San Francisco Bay.

8 Okay.

9 All right. So some things that this
10 treatability study will do. We've already tried this
11 technology that I'm going to explain to you at another
12 site at Hunters Point. It happened to be C5. Remember,
13 now we're talking about C1. Well, we tried it in 2003
14 and 2004 in -- at that Remedial Unit C5 site.

15 And we have lessons learned from that. It was
16 a pretty successful treatability study there. And we
17 have learned a lot and learned a lot about what we can
18 use to propose solutions for that remedial unit. Now we
19 want to see how well it works at a different place on
20 the base here. But because of those lessons learned, we
21 have tweaked what we're going to do in this treatability
22 study to get a little more data on how to be effective.

23 So there's going to be three stages to what we
24 do. The first stage is: We are going to enhance the
25 nonoxygen environment, which is also -- you might have

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1 is that when you're dealing with the subsurface, you've
2 got a certain amount of soil. And then when you reach a
3 certain point -- and when we're doing this treatability
4 study, it's -- averages about 10 feet below surface --
5 you hit groundwater. And the groundwater's where these
6 chemicals are.

7 But there's also something else there; and you
8 find this pretty much everywhere, certainly find it at
9 Hunters Point as well. There's little microorganisms in
10 the soil, microbes. And these microbes live in the soil
11 and the groundwater, and they're there naturally.

12 So what we want to do is: We want to see if
13 we can enhance the environment that certain families of
14 these microbes live in and get them to do an even better
15 job than nature would normally do in reducing the
16 contaminate levels, because over time a lot of these
17 microbes would break down these chemicals into simpler
18 chemicals, okay, and thereby reduce the contaminate
19 levels.

20 What we have found through the experience over
21 the years that there's ways to get those microbes to
22 work for us and to reduce the contaminants sometimes
23 very quickly. Okay. So that's what we want to do here.

24 Now, the first family of microbes that we're
25 going to talk about are these microbes that don't need

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<p>1 any oxygen, okay? They're not like us. They don't need 2 an environment that has oxygen in which to thrive, and 3 they're called anaerobic microbes. Okay? You can think 4 of them -- in fact, they are sometimes called bugs, the 5 bugs that are in the soil; and they are microscopic, but 6 they are pretty much everywhere.</p> <p>7 All right. This family of anaerobic 8 microbes, we are going to enhance their environment. 9 How are we going to do that? For 15 days we are going 10 to feed them, those microbes. We are going to feed them 11 sodium lactate, pretty common material. It's found a 12 lot in consumer products. But the thing about sodium 13 lactate is that these anaerobic bacteria love it, and 14 they thrive with that nutrient.</p> <p>15 So you can think of it that we are going to 16 inject a nutrient into this area of the groundwater, 17 okay. And these microbes, these particular microbes, 18 are going to thrive. They are going to multiply. The 19 population of those then is going to go up over that 20 given area. And when it does, they will be eating the 21 sodium lactate. Okay?</p> <p>22 Now, what we're going to do then is: We're 23 going to take up the groundwater; we're going to add 24 sodium lactate to it, and then we're going to put the 25 groundwater right back into the same area. And we</p> <p style="text-align: right;">Page 33</p>	<p>1 or 15 days, and then --</p> <p>2 What, Pat? Probably wait another 60 days --</p> <p>3 MR. BROOKS: Yeah.</p> <p>4 MR. FORMAN: -- or so. So we will have a 5 couple rounds of that.</p> <p>6 All right. Then we're going to start doing 7 favors for another family of microbes. This other 8 family of microbes is a lot like me and Keith Tisdell, 9 we need oxygen. And these microbes are aerobic, okay? 10 They need an oxygen environment, okay? Now, they're a 11 different family of microbes, okay? So what they need 12 is something a little different.</p> <p>13 But we plan to do essentially the same thing: 14 We will extract groundwater. This time we will add 15 sodium nitrate to the groundwater, okay? And then we 16 will reinject that water, and then these aerobic 17 bacteria will then multiply. And I believe they'll also 18 look at the sodium nitrate for about 15 days, and then 19 we'll cut them off.</p> <p>20 And then they will begin eating, eating away 21 at the contaminants. And we will take data from 22 groundwater, and we'll see how effective they are during 23 that.</p> <p>24 And we'll do that for a couple of rounds of 25 that: 15 days and then 60-day period where they will</p> <p style="text-align: right;">Page 35</p>
<p>1 loosely call that whole process recirculation, because 2 anything we draw up we will add amounts of sodium 3 lactate to and we'll put right back into that 4 groundwater area.</p> <p>5 Then those microbes will eat the sodium 6 lactate. Okay? And again -- and this is key -- they 7 will multiply. And all of those new microbes they'll 8 have to eat too. So after 15 days, we will stop feeding 9 them the sodium lactate.</p> <p>10 And then for a 60-day period, we will watch 11 and gather data. And during that period, all of that 12 greatly increased microbe population will begin to eat. 13 They'll go searching for food, so to speak, and they 14 will be given to reduce the contaminate levels. They 15 will take that PCE, DCE, TCE; and they will essentially 16 ingest them. And when they do so, they will break it 17 down chemically.</p> <p>18 So what we're trying to do here is to harness 19 what's already there with mother nature in order to 20 reduce the levels of the chemical contaminants, just 21 like helping out mother nature. All right. So that's 22 Stage 1.</p> <p>23 Now, when we're done with that -- and we'll do 24 that a couple of times. We'll probably -- We'll feed 25 them for 15 days, wait 60, feed them again for 16 day --</p> <p style="text-align: right;">Page 34</p>	<p>1 have to find something other than the sodium nitrate to 2 consume. Do that a couple times.</p> <p>3 All right.</p> <p>4 Now, Stage 3 is a decision point. We will be 5 out in the field; we'll be gathering data. We will set 6 up the system that I'll show you in a couple slides here 7 so that we can perform Stage 3 if we need to. But we 8 don't know whether we will or not because, again, this 9 is a study, right? We don't know everything. We don't 10 know how effective this is going to be.</p> <p>11 We will add oxygen. We will have the ability 12 to do that if we think we need to boost the overall 13 effectiveness of this project.</p> <p>14 Okay. Now, what do we do in Stage 3? We will 15 add oxygen to the groundwater.</p> <p>16 Now, I believe, Pat, we added oxygen to the 17 groundwater at that original remedial unit --</p> <p>18 MR. BROOKS: RU-C5.</p> <p>19 MR. FORMAN: -- RU-C5 that I talked about 20 earlier.</p> <p>21 And we found out that sometimes you have 22 problems being able to uniformly inject the oxygen into 23 the groundwater and to get it to every place it needs to 24 be, okay, where we want the contaminants to be reduced, 25 because you got to get that product -- in this case,</p> <p style="text-align: right;">Page 36</p>

1 oxygen -- to the area where the contaminant is because
2 that's also where the microbes are. Because of that,
3 that's why Stage 2 uses sodium nitrate.

4 Now, if Stage 2 leaves us with some
5 interesting results that we think will -- it would be
6 worth our time to do Stage 3 and introduce oxygen, then
7 that's what we will do. And then we'll have a cycle
8 much like that with the sodium nitrate where we will
9 introduce oxygen that will make those oxygen-loving
10 microbes, those aerobic microbes, thrive and then
11 further reduce the contaminants.

12 Okay.

13 All right. I did not want to challenge
14 anybody on chemistry here, and so this is not the kind
15 of slide that we're going to go over in detail.

16 But I just wanted to give you an idea that it
17 just so happens that the contaminants that we're going
18 after -- the ones I showed you in the beginning, these
19 [indicating] and these [indicating], but let's
20 concentrate on these [indicating] -- are related. They
21 are kind of chemically related.

22 They are molecules with a lot of carbon on
23 them and chlorine atoms. They all share that in common;
24 particularly, they are chlorinated compounds. So they
25 have chlorine in them.

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1 water.

2 Okay.

3 All right. And again, I hope you can see from
4 here on, this is -- given the distance, it's pretty
5 tough to see.

6 But essentially what we're doing here is:

7 We're extracting -- using a pump extracting groundwater.

8 It's going to go into a mixing tank. If you're in
9 Stage 1, we're going to put in sodium lactate; if we're
10 Stage 2, sodium nitrate; and then in Stage 3, we would
11 add oxygen. And then we're going to essentially
12 recircuit or draw through the piping system and put it
13 back down into an injection well.

14 Very clever technology. Nothing really
15 cutting edge. This has been done in many places across
16 the country.

17 But the thing you have to understand is, every
18 place in the country, including every site on Hunters
19 Point, is a little bit different below the ground. The
20 subsurface is different. The geology is different. The
21 rocks are different. The grain size of the sediment;
22 the soil is different. Where the groundwater flows to
23 can be different.

24 All those are different in different places on
25 Hunters Point. So you just don't know sometimes when

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1 And again, I'm not trying to stress anyone out
2 with the chemistry here, but this molecule can become
3 this molecule [indicating] if you take away a chlorine
4 atom. And this molecule, this chemical, can become a
5 whole different chemical if you take away another
6 chlorine molecule and so on.

7 And what we're going to gauge when we take
8 these groundwater samples is: We will be able to
9 determine what are the levels of these chemicals in a
10 groundwater sample, okay, and what's the ratio of them.

11 Perhaps we were in a plume that had, you know,
12 80 percent PCE and 10 percent TCE and 5 percent DCE.
13 You would expect those microbes as they are eating the
14 PCE and the TCE to eventually reduce these down the
15 chain as they lose their chlorine atoms.

16 And I just wanted to show you that this is all
17 linked. So that whole process is linked to good solid
18 chemistry and using what's already there by mother
19 nature to help accelerate a process to essentially take
20 away the chlorine, or dechlorinate some of these
21 compounds.

22 Okay.

23 And in the end of the process, what we want to
24 see is over time the harmless by-products that come out
25 of the end of the chemical reaction, things such as H₂O,

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1 you can use this technology and be effective everywhere,
2 and chances are you can.

3 So there's better places to use this
4 technology than in some other places, and that's what
5 these treatability studies attempt to do. They give us
6 experience using this, and they tell us a lot more about
7 what would happen if we used all of this on a big scale
8 for that whole big plume instead of just in a little
9 area testing as we do now.

10 Okay.

11 All right. And as I mentioned earlier, we're
12 going to collect data. We are going to be in the field,
13 and we are going to collect a bunch of data on the
14 groundwater that you can see there.

15 And that includes -- remember, this stuff
16 [indicating], this lactate, and the nitrate, we inject
17 it. And we're going to measure how much is left of
18 that. We're also going to measure the amount of oxygen
19 in the water and other things like that, and we are also
20 going to study the microbe population a bit.

21 All of that is just to get a better picture of
22 during the treatability study when we injected these
23 things what was the net effect on the groundwater, how
24 much did it reduce the contaminants, and, you know, what
25 is the nature content of the groundwater after we did

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<p>1 what we did.</p> <p>2 Okay. So let me give a quick summary here.</p> <p>3 The chemicals that are in the groundwater beneath the</p> <p>4 surface at Hunters Point that we are looking at in this</p> <p>5 treatability study are solvents, degreasers, cleaners,</p> <p>6 cleaning agents, things like that, that have gotten into</p> <p>7 the groundwater and some petroleum products that are</p> <p>8 associated with what those buildings did.</p> <p>9 We are going to first on go into and help out</p> <p>10 the microbes in the soil that naturally occur there, and</p> <p>11 we're going to first of all do those that don't need any</p> <p>12 oxygen to thrive. They are called anaerobic.</p> <p>13 Then we are going to go in and we are going to</p> <p>14 help give nutrients to those microbes that require</p> <p>15 oxygen to live, okay, a whole different family of</p> <p>16 microbes, but in about the same treatment area.</p> <p>17 And when we do this, we -- again, we have had</p> <p>18 very good luck in the last two years at another area,</p> <p>19 another remedial unit, on Hunters Point. Those site</p> <p>20 conditions were a bit different than these site</p> <p>21 conditions.</p> <p>22 And in fact, this area -- I think it's pretty</p> <p>23 safe to say, this area that we're in now, this RU-C5, is</p> <p>24 probably the most concentrated areas of different</p> <p>25 chemicals in the groundwater on the whole base. So it</p> <p style="text-align: right;">Page 41</p>	<p>1 All right. Before I take questions after the</p> <p>2 break, I just wanted to throw up a question for you to</p> <p>3 think about tonight; and that is, would the RAB members</p> <p>4 like a field trip in May?</p> <p>5 Doesn't have to be in May, but that's just the</p> <p>6 first month I thought of when you'd be ready if you</p> <p>7 really want to go with us over to the site in</p> <p>8 Building 253 and see all that equipment that I showed</p> <p>9 you would be in place. It will be there. It will be</p> <p>10 working, and we can go through it together and see what</p> <p>11 happens.</p> <p>12 So I just want to throw that out to RAB</p> <p>13 members. I think that would be -- You haven't had a</p> <p>14 good field trip in a while, and I think that would be a</p> <p>15 good thing to do.</p> <p>16 MR. MASON: Go through the building?</p> <p>17 MR. FORMAN: To go through the building? Only</p> <p>18 in the designated area where that's set up. There's</p> <p>19 some special things we have to do because Building 253</p> <p>20 has been listed as radiologically impacted. So to go</p> <p>21 there, you just -- there's some things we have to make</p> <p>22 you aware of, and you have to go into the area that Pat</p> <p>23 and I and the rest of the team go to.</p> <p>24 So there will be some guidelines to do that.</p> <p>25 But it will be safe, and it will be a really interesting</p> <p style="text-align: right;">Page 43</p>
<p>1 will be more challenging, and it will yield us a lot of</p> <p>2 important data for us to hopefully make a proposal to</p> <p>3 you and to the regulators about what we really want to</p> <p>4 do to remediate these plumes.</p> <p>5 Okay. And again, the whole idea of a</p> <p>6 treatability study is to do in a small way to test it</p> <p>7 what you really hope will work and that you want to then</p> <p>8 propose in a big way to remediate, for instance, the</p> <p>9 whole unit of groundwater.</p> <p>10 Okay.</p> <p>11 Quick schedule -- I don't want to dwell on</p> <p>12 this too much, but right now we are writing up the work</p> <p>13 plan to do everything I've just described here; and once</p> <p>14 we write up a work plan, we put it out. RAB members and</p> <p>15 the public can read it. The regulators closely review</p> <p>16 it, and they will be doing that from mid February to</p> <p>17 about early April.</p> <p>18 We hope to go final on the work plan in mid</p> <p>19 April.</p> <p>20 And then third, fourth week of April we want</p> <p>21 to begin field work. We want to be out there and begin</p> <p>22 the treatability study. And I think the treatability --</p> <p>23 this one should take about nine or ten months to</p> <p>24 complete.</p> <p>25 Okay.</p> <p style="text-align: right;">Page 42</p>	<p>1 tour for you. But Building 253 is just an interesting</p> <p>2 building on its own, so one of the more interesting</p> <p>3 buildings on base.</p> <p>4 MS. PENDERGRASS: So let's turn on the lights,</p> <p>5 and let's continue with questions and answers if you</p> <p>6 don't mind. We have a little time.</p> <p>7 MR. FORMAN: Okay. Am I --? Oh, so I'm</p> <p>8 early? Good. I thought I went on forever.</p> <p>9 MS. PENDERGRASS: You did.</p> <p>10 MR. FORMAN: Okay.</p> <p>11 MS. PENDERGRASS: I'm just kidding.</p> <p>12 MR. FORMAN: All right.</p> <p>13 MS. PENDERGRASS: Dr. Tompkins.</p> <p>14 MR. FORMAN: Yes.</p> <p>15 DR. TOMPKINS: "Mr. Tompkins" was my dad. No.</p> <p>16 I had a couple questions.</p> <p>17 MR. FORMAN: Okay.</p> <p>18 DR. TOMPKINS: Geologically since we were</p> <p>19 talking about the land and the variance in "B" it was</p> <p>20 landfill. Therefore, you did look at it --</p> <p>21 MR. FORMAN: Hold on.</p> <p>22 DR. TOMPKINS: In Parcel B when we ze- -- a</p> <p>23 zero valence iron, it wasn't as successful as in -- what</p> <p>24 was it? "C"?</p> <p>25 MR. BROOKS: Yes.</p> <p style="text-align: right;">Page 44</p>

<p>1 DR. TOMPKINS: That it was because of 2 landfill. Is that the --? Is this a -- 3 MR. FORMAN: No, that's not -- 4 DR. TOMPKINS: -- solid --? This is not a 5 landfill. This is a solid one? 6 MR. FORMAN: Hold on, Ray. I'm not sure what 7 you mean. There isn't -- I'm not sure what you mean by 8 that. 9 MR. LANPHAR: Fill. 10 DR. TOMPKINS: It was a fill. I'm not a 11 geologist -- 12 MS. PENDERGRASS: We can't hear the question. 13 Can we? 14 MR. FORMAN: Oh, I thought you said, 15 "landfill." You mean in the fill area, the -- 16 DR. TOMPKINS: In the -- In other words, "B" 17 was the landfill. 18 MR. FORMAN: Right. 19 DR. TOMPKINS: And then where it was first 20 tested was solid -- it wasn't a landfill. 21 MR. FORMAN: Right. 22 DR. TOMPKINS: What type of --? How would you 23 classify this particular site? 24 MR. FORMAN: Okay. The part of Hunters -- the 25 part of Hunters --</p> <p style="text-align: right;">Page 45</p>	<p>1 a -- 2 DR. TOMPKINS: What do you mean? 3 MR. FORMAN: -- way that the -- 4 DR. TOMPKINS: I don't know. 5 MR. FORMAN: -- actual bedrock is very, very 6 close to the current surface. 7 DR. TOMPKINS: Okay. 8 MR. FORMAN: And you can see that in the 9 photos we have gone over, Dry Dock 4, those photos. 10 Part of the reason they created Dry Dock 4 is -- where 11 they are is: It is incised, carved, out of bedrock -- 12 DR. TOMPKINS: Okay. 13 MR. FORMAN: -- right there. 14 MS. PENDERGRASS: You're so smart. 15 MR. FORMAN: Okay? 16 Did I do okay, Mr. Brooks? 17 (Mr. Brooks gestures a thumb up.) 18 MR. FORMAN: All right. 19 DR. TOMPKINS: One -- 20 MS. PENDERGRASS: Dr. Tompkins, do you have a 21 follow-up question? 22 DR. TOMPKINS: One more. 23 MR. FORMAN: Certainly. 24 DR. TOMPKINS: In the previous where I had a 25 dispute previously, do we have solid baseline data prior</p> <p style="text-align: right;">Page 47</p>
<p>1 DR. TOMPKINS: Is it solid? It's not a 2 landfill? is what I'm asking. 3 MR. FORMAN: Got it. It is not fill material, 4 right. 5 DR. TOMPKINS: Okay. 6 MR. FORMAN: Well -- okay. One of the things 7 you got to -- and by the way, Mr. Brooks is the 8 hydrogeologist amongst the two of us, but let me take a 9 crack at this. 10 There is, but one of the things about Hunters 11 Point is: The original promontory, the peninsula that 12 jutted out into the bay, actually came out into parts of 13 "C." So there are parts of "C" here that are really 14 bedrock, bedrock that has been raised, okay, very close 15 to the very surface of the earth. 16 So a lot of it isn't fill material either. 17 It's bedrock. It's very close to surface, and it's 18 original land that was not created by the other filling 19 of the bay. 20 DR. TOMPKINS: Excuse me. Geology, what do 21 you mean "raised"? What do you mean by "raised"? I 22 mean, was it man-made or earthquake -- 23 MR. FORMAN: No, no, no. 24 DR. TOMPKINS: -- or what do you say "raised"? 25 MR. FORMAN: The bedrock is tilted in such</p> <p style="text-align: right;">Page 46</p>	<p>1 for you doing any work so we know what the volumes and 2 concentrations are on the contaminants we're trying to 3 remove? 4 MR. FORMAN: Dispute . . . I don't know about 5 a dispute; but we have a lot of data from RU-C5, and we 6 have a lot of groundwater data from our basewide 7 groundwater-monitoring program that we have used. 8 MR. BROOKS: I could take that. 9 The work plan includes a solid baseline 10 assessment of the conditions. 11 DR. TOMPKINS: Prior before treatment? 12 MR. BROOKS: Prior to treatment. 13 DR. TOMPKINS: Thank you. 14 MS. PENDERGRASS: Okay. So we can get that on 15 the record, because the tape will not reflect 16 Mr. Brooks' comments, so can you say those again, 17 please? 18 MR. BROOKS: The work plan will include the 19 solid analysis of baseline conditions prior to 20 treatment. 21 MR. FORMAN: Okay. 22 MS. PENDERGRASS: Thank you, sir. 23 MR. FORMAN: I'm sorry. I was unaware of it. 24 I was not here. I was unaware of the dispute between -- 25 MR. BROOKS: Yeah. You were at another</p> <p style="text-align: right;">Page 48</p>

<p>1 dispute.</p> <p>2 DR. TOMPKINS: No problem.</p> <p>3 MS. PENDERGRASS: All right. Mr. Tisdell and</p> <p>4 then Ms. Brown.</p> <p>5 MR. TISDELL: Mr. Forman.</p> <p>6 MR. FORMAN: Yes, sir.</p> <p>7 MR. TISDELL: Now, if I got this right, the --</p> <p>8 wait a minute, wait a minute. The PCE and all -- all</p> <p>9 them --</p> <p>10 MR. FORMAN: Yes.</p> <p>11 MR. TISDELL: -- the PCE --</p> <p>12 MR. FORMAN: Yes.</p> <p>13 MR. TISDELL: -- the TCE and the DCE --</p> <p>14 MR. FORMAN: Yes.</p> <p>15 MR. TISDELL: -- that can be eaten up by</p> <p>16 the -- by the -- them things, the microbes --</p> <p>17 MR. FORMAN: The bugs, yes, the microbes.</p> <p>18 DR. TOMPKINS: Yeah, the bugs.</p> <p>19 MR. FORMAN: Yes.</p> <p>20 MR. TISDELL: Okay, and their waste is</p> <p>21 harmless, right? That's so it come -- you know, they</p> <p>22 eat them; and then, you know, it comes out to nothing.</p> <p>23 Now, what about the V- --?</p> <p>24 MS. PENDERGRASS: Their waste is harmless?</p> <p>25 MR. TISDELL: What about the VCs, the --</p> <p style="text-align: right;">Page 49</p>	<p>1 different stages of breakdown.</p> <p>2 Well, what you want to do is get down -- you</p> <p>3 should have quite a bit of ethene; and you should have a</p> <p>4 lot of products that, as you hinted at, are kind of --</p> <p>5 are the waste, or the excretions, of these microbes.</p> <p>6 You know, they live a certain duration. They eat, they</p> <p>7 reproduce rapidly, and then die.</p> <p>8 MR. TISDELL: Oh, okay.</p> <p>9 MS. PENDERGRASS: And their death is a good</p> <p>10 thing.</p> <p>11 MR. FORMAN: Pardon?</p> <p>12 MS. PENDERGRASS: I'm sorry.</p> <p>13 MR. TISDELL: That's a good question.</p> <p>14 MR. HANIF: You're entertaining tonight.</p> <p>15 MS. PENDERGRASS: Ms. Brown?</p> <p>16 MR. TISDELL: That's a good question.</p> <p>17 MS. PENDERGRASS: Ms. Brown.</p> <p>18 MR. FORMAN: All your questions are good</p> <p>19 questions.</p> <p>20 MS. BROWN: My question is, will you test into</p> <p>21 the bedrock?</p> <p>22 MS. PENDERGRASS: Will you test into the what?</p> <p>23 MS. BROWN: Into the rock.</p> <p>24 MS. PENDERGRASS: Oh, into the rock.</p> <p>25 MR. BROOKS: The test is primarily in the A</p> <p style="text-align: right;">Page 51</p>
<p>1 MR. FORMAN: Those -- okay.</p> <p>2 MR. TISDELL: -- vinyl chloride?</p> <p>3 MR. FORMAN: That's part of the chemical</p> <p>4 chain.</p> <p>5 MR. TISDELL: Right. Okay. Now, they are not</p> <p>6 going to be -- I mean, the bugs not going to eat that,</p> <p>7 right?</p> <p>8 MR. FORMAN: Well, some do, yeah. Some of</p> <p>9 them break down --</p> <p>10 Can you get back to the . . . ?</p> <p>11 MR. TISDELL: Excuse me. I said the wrong</p> <p>12 way.</p> <p>13 MR. FORMAN: Okay.</p> <p>14 MR. TISDELL: I'm sorry.</p> <p>15 MR. FORMAN: No, you didn't say anything</p> <p>16 incorrectly.</p> <p>17 MR. TISDELL: Yes, I did too.</p> <p>18 MR. FORMAN: What you want to get down to --</p> <p>19 and reme- -- it's -- if this were a perfect process,</p> <p>20 right, then there wouldn't be any need to study it,</p> <p>21 right?</p> <p>22 After all three stages, okay, you will still</p> <p>23 find a little bit of this [indicating], you know, a</p> <p>24 little bit of that [indicating], a little bit of this</p> <p>25 [indicating], a little bit of that [indicating],</p> <p style="text-align: right;">Page 50</p>	<p>1 aquifer. So while the bedrock is present below the bay</p> <p>2 aquifer, there's no need to test down there because that</p> <p>3 part of it's not contaminated. The contaminant is</p> <p>4 limited to the more shallow sediment tank consist of</p> <p>5 fill and some marine sediments. Below that is bedrock.</p> <p>6 MS. PENDERGRASS: Excellent.</p> <p>7 Mr. Tisdell, your third question.</p> <p>8 MR. TISDELL: Yes. Now, just like Miss</p> <p>9 Pendergrass said, the -- them bugs dying off is a good</p> <p>10 thing. The bugs dying off is a good thing?</p> <p>11 MR. FORMAN: Well, it's not a good thing; it's</p> <p>12 not a bad thing. It just is. Those bugs die anyway.</p> <p>13 MS. PENDERGRASS: "It just is."</p> <p>14 MR. TISDELL: Yeah, they -- they -- but I'm --</p> <p>15 say, like, with them eating all the chemicals and all</p> <p>16 that stuff --</p> <p>17 MR. FORMAN: Yes, they die.</p> <p>18 MR. TISDELL: -- they die in the ground, and</p> <p>19 isn't that recontaminating the ground?</p> <p>20 MR. FORMAN: No.</p> <p>21 MR. TISDELL: Okay.</p> <p>22 MR. FORMAN: Them dying -- They grow, they --</p> <p>23 They multiply, they grow, and they die as a natural part</p> <p>24 of nature on a microbial, microscopic level, okay.</p> <p>25 MR. TISDELL: Okay. Thank you.</p> <p style="text-align: right;">Page 52</p>

1 MR. FORMAN: So all we're doing is creating an
2 environment with a lot of nutrients for them to
3 accelerate the population so that there's more of those
4 microbes to attack the contaminants, break them down.
5 And the more they can do that, the more generations of
6 them because they reproduce very rapidly; they can do
7 that; and they are all in different rates eating the
8 contaminants, different areas.

9 MS. PENDERGRASS: Mr. Hanif?

10 MR. HANIF: Just wondering, basically, they
11 metabolize, the contaminants? Is that what's happening?

12 MR. FORMAN: Well, they just -- they live off
13 of the -- right. They live off of the chemical
14 compounds that are found in the contaminants. And so
15 it's a process of them, I guess you could say, on a
16 microbial level ingesting them and then digesting them.

17 MR. BROOKS: It's like food.

18 MR. FORMAN: Maybe because they are on a
19 microbial level; they are living organisms, yeah. So
20 essentially it is -- I think is -- was it Keith that
21 said a "waste" product? Yeah.

22 MS. PENDERGRASS: Okay. And their waste is a
23 good thing.

24 Oh, follow-up question from Mr. Tompkins.

25 DR. TOMPKINS: My dad is Mr. Tompkins. I keep
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1 If not, we could -- I mean, yeah, there's --
2 this type of process [indicating] is known as in the
3 ground, or in situ. So it's -- But there's different
4 method -- different in situ, in the ground, methods of
5 things that you could throw at contaminants to reduce
6 them.

7 MS. PENDERGRASS: All right. Thank you.

8 MR. FORMAN: Okay.

9 MS. PENDERGRASS: Are there any other
10 questions regarding --?

11 MR. FORMAN: Again, I'd just like to have
12 people think about wanting to get together on a field
13 trip where we would take you there, educate you about
14 the building and everything, and we could see one of
15 these things in action.

16 MS. PENDERGRASS: Is there interest in that by
17 a show of hands how many people would be interested in
18 going on a field trip in May? Sounds like you could
19 schedule that.

20 MR. FORMAN: Great.

21 MS. PENDERGRASS: Okay?

22 MR. FORMAN: Thank you.

23 MS. PENDERGRASS: Real good. All rightie,
24 then.

25 MR. TISDELL: Very good, Keith.

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1 telling you that.

2 MS. PENDERGRASS: Doctor, doctor.

3 DR. TOMPKINS: He's not with us anymore.

4 MS. PENDERGRASS: And I'm not -- and I'm not
5 being -- I'm sorry. I'm not being disrespectful.

6 DR. TOMPKINS: My dad's not with us anymore,
7 okay?

8 MS. PENDERGRASS: Okay.

9 DR. TOMPKINS: On this -- Keith, as we -- we
10 discussed prior on the -- with the zero valence iron --
11 and I understand that this is the feasibility to see
12 does is [sic] for your work -- are there other
13 technologies, say, that this doesn't get the results out
14 that you may defer to in terms of the cleanup or the
15 possibilities?

16 MR. FORMAN: If this doesn't get the results,
17 then we would be required to figure out a technology
18 that does remediate the plumes.

19 DR. TOMPKINS: Are there any others within
20 cost efficiency factors that you may consider?

21 MR. FORMAN: Well, there probably will be.
22 The Parcel C feasibility study you're referring to,
23 that's not coming out for a while, but that will have to
24 incorporate a number of solutions of which we are hoping
25 that this will be one.

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1 MS. PENDERGRASS: So you'll take care of
2 scheduling that?

3 MR. FORMAN: Yes, ma'am.

4 MS. PENDERGRASS: All right. Real good.

5 So why don't we take a ten-minute break,
6 refresh, revive, and come back fully alive in ten
7 minutes. Thank you.

8 (Recess 7 p.m. to 7:10 p.m.)

9 MS. PENDERGRASS: All right, folks, let's get
10 the second half of this party started. Don't make me
11 bang my gavel again. Let's have some order around here.

12 All right. If we could have Mr. Hanif give
13 his subcommittee report, we would start with that.

14 MS. RINES: What?

15 MR. TISDELL: Subcommittee report.

16 MS. PENDERGRASS: Mr. Hanif would start with
17 giving his subcommittee report.

18 MR. HANIF: Okay. Basically --

19 MR. TISDELL: Speak up, please.

20 MR. HANIF: Basically, I've been playing phone
21 tag with Charles DePew and Cindy Kolodji; and due to the
22 work load that I have currently with Young Community
23 Developers, I'm actually going to step down, but I will
24 be a support.

25 James Morrison has volunteered to actually

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<p>1 take over as chair for the Economic Subcommittee. So 2 that will rest in his hands. 3 I will make sure -- I've already talked to 4 Carolyn Hunter. I will make sure that the meeting date, 5 contact numbers and that type of thing are specifically 6 relayed to her. 7 And I want to make the offer that if the 8 library's not available, they can use YCD as a standing 9 meeting place, and I'll be 100 percent support with that 10 as well. 11 MS. PENDERGRASS: All right. So, Mr. Hanif, 12 we can count on you to update Mr. Morrison and get 13 him -- 14 MR. HANIF: Yes, I will. 15 MS. PENDERGRASS: -- up to speed? 16 And Mr. Morrison, do -- I mean, I know this is 17 all rather sudden; but is there a date that you might 18 want to throw out for your first meeting? 19 MR. MORRISON: That would depend on after we'd 20 meet, and then we could set up a date. 21 MS. PENDERGRASS: Okay. All right. So you'll 22 keep us apprised? 23 MR. MORRISON: Yes, definitely. 24 MS. PENDERGRASS: Very good. Thank you. 25 MR. HANIF: Carolyn Hunter will be made</p> <p style="text-align: right;">Page 57</p>	<p>1 MR. MASON: JMason147 hotmail -- 2 @hotmail.com -- 3 MS. PENDERGRASS: If you could just give that 4 to Miss Hunter. 5 MR. MASON: -- and yahoo.com. 6 MS. PENDERGRASS: Okay. 7 MR. FORMAN: Okay. 8 MS. PENDERGRASS: Real good. 9 How about the Radiological, Technical, Risk -- 10 are they all together now? 11 MR. TISDELL: Yes. 12 MS. PENDERGRASS: Okay. So is that the R. 13 Tech R.? RTR? Who's chairing that meeting? 14 MR. TISDELL: Miss Bush- -- 15 MS. PENDERGRASS: Miss Bushnell? 16 MR. TISDELL: Miss Bush- -- 17 MS. PENDERGRASS: Okay. I'm facilitating the 18 meeting tonight, okay. So -- 19 MR. TISDELL: I know, but you don't know 20 what's -- it's something that happened. 21 MS. PENDERGRASS: I will. So can you -- sit 22 down. 23 MR. TISDELL: No. 24 MS. PENDERGRASS: Okay. 25 Mr. Morrison, do you have a report on behalf</p> <p style="text-align: right;">Page 59</p>
<p>1 abreast of that. 2 MS. PENDERGRASS: I beg your pardon? 3 MR. HANIF: She will be made aware -- Carolyn 4 Hunter will be made aware of that so that that will 5 support the distribution of information for that 6 meeting. 7 MS. PENDERGRASS: Well, thank you, Mr. Hanif. 8 All right. Mr. Mason, you had something to 9 add to that? 10 MR. MASON: Yeah. I would very much like that 11 information in an E-mail, because I haven't been able to 12 make those meetings. But my concerns are the really -- 13 well, my concerns are the same, but I would like to be 14 at that meeting to talk about that. 15 MS. PENDERGRASS: All right. So let the 16 record reflect that Mr. Hanif and Mr. Mason will 17 schedule a meeting with Mr. Morrison so that -- to 18 debrief, and then Mr. Morrison will contact Miss Hunter 19 with a date for the -- for a Economic Development 20 meeting. Is that okay? 21 MR. FORMAN: Sounds great. 22 Jesse, do we have your current E-mail address? 23 I just want to make sure that -- 24 MR. MASON: Yeah. 25 MR. FORMAN: -- that we do.</p> <p style="text-align: right;">Page 58</p>	<p>1 of Miss Bushnell tonight? 2 MR. MORRISON: Yes. Barbara is meeting with 3 the hospice tonight with -- her brother has two days to 4 live so that she's there making those arrangements. 5 MS. PENDERGRASS: Did you have a meeting on 6 her be- -- report on her behalf for the subcommittee for 7 the Radiological or Technical Review Committee? 8 MR. MORRISON: No. She had to leave all of a 9 sudden. 10 MS. PENDERGRASS: Okay. 11 MR. MORRISON: So I will get that information 12 to you as soon as possible. Probably see her in a 13 couple of days. Thank you. 14 MS. PENDERGRASS: Thank you. 15 Okay. Mr. Tisdell. 16 MR. TISDELL: I made a phone call to Miss 17 Barbara Bushnell because Mr. Ray Tompkins had stepped 18 down from that committee because of his father. His 19 father has passed. And I talked to Mr. Morrison because 20 Barbara wasn't there, and I told him that Mr. Ray 21 Tompkins would be willing to step back as co-chair of 22 the Technical Committee. 23 I was trying to get to her, but I didn't know 24 her brother . . . , and so I left a message with -- with 25 Mr. Morrison about that to let Ray take back over the</p> <p style="text-align: right;">Page 60</p>

<p>1 Technical Committee, and they probably touch bases 2 sometime before the next RAB. So that's just 3 information for the RAB.</p> <p>4 MS. PENDERGRASS: Well, Dr. Tompkins, is 5 that -- is that all right with you, to kind of touch 6 base with Miss Bushnell maybe in a week or so, I would 7 suspect?</p> <p>8 DR. TOMPKINS: Especially since I went through 9 it this month, yes. In other words, I would project for 10 March, since they already have the agenda, that by that 11 time, we'll have the new TAG grant consultants on 12 board --</p> <p>13 MS. PENDERGRASS: Okay.</p> <p>14 DR. TOMPKINS: -- so that we can then -- I'd 15 like to request from the Navy -- I had it before, but 16 with the passing of my father, it got mislaid -- a 17 listing of all the priority of projects for the year 18 2006.</p> <p>19 And I would subsequently also request that you 20 E-mail the state EPA and the State of California that 21 listing, Tom and Mike, so that they could review.</p> <p>22 And I like you to prioritize what are the 23 important issues so that when I review the candidates 24 for the TAG grant, they would know what's coming up, 25 when, who do they need on board their team and et cetera</p> <p style="text-align: right;">Page 61</p>	<p>1 been doing on the back here which kind of give the 2 summary and the date? I mean, this is just for, you 3 know, a two-month period, but --</p> <p>4 MR. FORMAN: Right.</p> <p>5 MS. PENDERGRASS: -- that would be --</p> <p>6 MR. FORMAN: But that's a good question, 7 because that is what we do on the Monthly Progress 8 Reports now, Ray. We basically tell you what's coming 9 up in about the next 60 days.</p> <p>10 MS. PENDERGRASS: So would it -- are you 11 asking for a longer period of time? I hear you saying.</p> <p>12 DR. TOMPKINS: Yeah, a long -- for the one 13 year, so I could -- for the time of their contract that 14 they will be with us. I would like to be able to talk 15 to them.</p> <p>16 MS. PENDERGRASS: Does that make sense --</p> <p>17 MR. FORMAN: Okay.</p> <p>18 MS. PENDERGRASS: -- for you, Mr. Forman? 19 Because it's just really projecting this out just a 20 little --</p> <p>21 MR. FORMAN: Sure.</p> <p>22 MS. PENDERGRASS: -- further.</p> <p>23 DR. TOMPKINS: And start in dates in terms so 24 that we can try and time the reports in a timely 25 manner --</p> <p style="text-align: right;">Page 63</p>
<p>1 to do a proper evaluation, and they could then also 2 discuss with us how much time would it take for the 3 evaluation.</p> <p>4 MR. FORMAN: Okay.</p> <p>5 MS. PENDERGRASS: Would it be helpful --?</p> <p>6 DR. TOMPKINS: I would really appreciate it if 7 you get it to me soon as possible.</p> <p>8 MR. FORMAN: And that's projects for the 9 calendar year 2006?</p> <p>10 DR. TOMPKINS: Calendar 2006.</p> <p>11 MR. FORMAN: Okay.</p> <p>12 DR. TOMPKINS: And if there's something 13 overlaps, you see a 2007 that's related and that should 14 be reviewed --</p> <p>15 MR. FORMAN: Okay.</p> <p>16 DR. TOMPKINS: -- please also include that so 17 that when I sit down with the candidates, I could 18 present this information, and they could then 19 intelligently discuss that with me --</p> <p>20 MR. FORMAN: Sure.</p> <p>21 DR. TOMPKINS: -- in what they can and can't 22 do.</p> <p>23 MR. FORMAN: Great.</p> <p>24 MS. PENDERGRASS: Would it be helpful if it's 25 in the same format as the deliverables that they have</p> <p style="text-align: right;">Page 62</p>	<p>1 MR. FORMAN: Sure.</p> <p>2 DR. TOMPKINS: -- and be on time so that we --</p> <p>3 MS. PENDERGRASS: Okay.</p> <p>4 DR. TOMPKINS: -- could be of assistance for 5 the --</p> <p>6 MS. PENDERGRASS: Why don't we put that as 7 an --</p> <p>8 DR. TOMPKINS: -- community.</p> <p>9 MS. PENDERGRASS: -- action item --</p> <p>10 MR. FORMAN: Okay.</p> <p>11 MS. PENDERGRASS: -- to follow up on?</p> <p>12 And when did you need that by?</p> <p>13 DR. TOMPKINS: As soon as possible, please, 14 because I'd like to execute with the app- -- with the 15 EPA's approval, I'd like to start interviewing 16 candidates within two weeks, two to three weeks, after 17 we advertise.</p> <p>18 MS. PENDERGRASS: Okay.</p> <p>19 MR. FORMAN: Okay. So I'll get that to you 20 next week.</p> <p>21 DR. TOMPKINS: Beautiful. Thank you.</p> <p>22 MS. PENDERGRASS: Okay.</p> <p>23 DR. TOMPKINS: I appreciate it.</p> <p>24 MS. PENDERGRASS: So let's just say by the 25 11th of February, 15th of February?</p> <p style="text-align: right;">Page 64</p>

<p>1 MR. FORMAN: Okay. 2 MS. PENDERGRASS: Is that all right? 3 Okey-dokey? 4 Can we have that microphone? 5 DR. TOMPKINS: That would be Wednesday? 6 MS. PENDERGRASS: Yeah. 7 DR. TOMPKINS: 15th. 8 MS. PENDERGRASS: Okay. 9 All right. Then the Membership and Bylaws -- 10 I'm sorry. I'm sorry, Mr. Work. Please forgive me. 11 MR. WORK: Thanks. Maybe Keith is already 12 thinking on these lines, but I was going to say, why -- 13 why couldn't we just provide --? 14 MR. TISDELL: Speak up, please. 15 MR. ATTENDEE: Speak up. 16 MR. WORK: Why couldn't we just provide the 17 FFA schedule to Ray and -- and --? 18 MR. BROOKS: We kind of been through that, Ray 19 and I; and we just need a little more information than 20 what's on the FFA schedule. I've got -- just if we 21 added to one that we had before and just bring it 22 through the end of 2006, that will be okay? 23 DR. TOMPKINS: 'Cause there was so much on 24 whatever document you sent me -- 25 MR. BROOKS: Yeah.</p> <p style="text-align: right;">Page 65</p>	<p>1 MS. PENDERGRASS: -- that needs to be 2 massaged, and it would be helpful if it was kind of 3 flowed into this kind of grid but month by month and -- 4 MR. FORMAN: And I'll just provide you a brief 5 one- or two-sentence a description of each one so you 6 really know. Sometimes the title alone doesn't 7 necessarily describe it the way you want it. 8 MS. PENDERGRASS: Mr. Lanphar had something to 9 add to that and then you, Mr. Tompkins. 10 DR. TOMPKINS: Okay. 11 MR. LANPHAR: I was just wondering, 12 Dr. Tompkins, if you wanted it for a year, calendar 13 year, or the year of the -- of the contract. If you're 14 starting in March, do you want it all the way to 15 March 2007? 16 DR. TOMPKINS: I'd want it for a calendar year 17 and any projects that go -- 18 MR. LANPHAR: Okay. 19 DR. TOMPKINS: -- over into March. 20 MR. LANPHAR: Okay. 21 DR. TOMPKINS: Just as to the side note to the 22 Board members -- 23 MR. FORMAN: Okay. 24 DR. TOMPKINS: -- the reason I'm asking to 25 step back into it, my father, shoot, asked me to deal</p> <p style="text-align: right;">Page 67</p>
<p>1 DR. TOMPKINS: -- some months ago -- 2 MR. BROOKS: Yeah. 3 MR. FORMAN: It was too much for you. 4 DR. TOMPKINS: -- it was so -- 5 MR. BROOKS: At least 25 -- 6 DR. TOMPKINS: -- I just needed the high 7 points of what we -- 8 MR. FORMAN: Okay. 9 DR. TOMPKINS: -- needed. 10 I didn't have a sort of like a decoding grid 11 next to it -- 12 MR. FORMAN: Right, right, right. 13 DR. TOMPKINS: -- of what this meant, what 14 this . . . 15 MR. BROOKS: That was 30 pages, the decoding 16 brief. 17 DR. TOMPKINS: You -- 18 MS. PENDERGRASS: All right. So -- 19 DR. TOMPKINS: But it was lot -- 20 MS. PENDERGRASS: So you all -- 21 DR. TOMPKINS: -- and I couldn't figure it 22 out. 23 MS. PENDERGRASS: So it sounds to me like 24 there is a template in place -- 25 MR. FORMAN: Yes.</p> <p style="text-align: right;">Page 66</p>	<p>1 with this on his deathbed and to come back and to be the 2 chair. So I'm carrying out his wishes. 3 MS. PENDERGRASS: Thank you, Dr. Tompkins. 4 MR. MORRISON: I like to say, one, I don't 5 think Barbara will have any objection to it. But 6 problem -- part of my objection is that you had refused 7 to give any documentation or information on the meetings 8 that you would have. You would come and want to give 9 lecture in an elementary manner. 10 And I'd like to know if you'd be -- if you 11 take it over, will we get reports? And if you are not 12 going to give reports, there's no need in taking it over 13 and informing us of who attends and what was the subject 14 matter instead of coming to the RAB and always and 15 making these elementary speeches. 16 MS. PENDERGRASS: All right. 17 DR. TOMPKINS: Do you wish me to address this? 18 MS. PENDERGRASS: Not really. There's no need 19 to address that at this point. At this point, I think 20 that's a conversation that needs to happen between Miss 21 Bush- -- Miss Bushnell and Mr. Tompkins 'cause that 22 hasn't formally happened at this point. 23 So we're going to move on the age- -- in the 24 agenda to Mr. Tisdell and the -- what group are you? -- 25 Membership, Bylaws and Outreach.</p> <p style="text-align: right;">Page 68</p>

<p>1 MR. TISDELL: Somewhere. Okay. We had our 2 meeting on the 11th of January, had some pretty good 3 attendees, but we need more RAB members to attend. 4 We talked about RAB -- RAB member recruiting, 5 because we are down to ten, and the Environmental 101 6 taught by Mr. Keith Forman, you know, and commu- -- the 7 Community Notification Plan update. And here's -- 8 here's a copy of the minutes here. 9 And if you're interested, and the next meeting 10 will be February the 8th at 6 o'clock at the Bayview 11 Anna Waden Library. So can I please have your 12 attendance? 'cause we need help in discussion about what 13 you would like to see the RAB -- I mean, which to see -- 14 which way you would like to see the RAB to go. 15 Thank you. 16 MS. PENDERGRASS: Mr. Forman? 17 MR. FORMAN: If I could just quickly, yeah, 18 second what Keith is saying is: One of the things I 19 committed to doing is, we need to get a new generation 20 of RAB members along with our current RAB members. So 21 we need new membership, and we need help in figuring out 22 how to do that. That's not an easy thing to go. 23 And what I committed to do is: Once we have a 24 certain number of new members with us, the new members 25 and anyone else who wants to, I'll commit to a Saturday.</p> <p style="text-align: right;">Page 69</p>	<p>1 All right, then. Let's have our landfill 2 update, and then we will have a final comment by 3 Dr. Tompkins. 4 DR. TOMPKINS: Hmm-mm. No need to. 5 MS. PENDERGRASS: No need to? 6 DR. TOMPKINS: No need to. 7 MS. PENDERGRASS: Oh. 8 MR. TISDELL: Whew. 9 MR. BROOKS: Okay. As most folks know, we do 10 monthly landfill gas monitoring out at the landfill. 11 For those of you who don't, I think this program's been 12 going on now for about three years. 13 And the reason I want to talk to you today is 14 because something a little bit different happened, and I 15 just want to make sure everybody knows about it. So 16 I'll give you a brief review of the stuff that we do 17 each month and the results that we had up through 18 December, and then we'll talk about what just happened 19 recently. 20 This is part of our monthly monitoring 21 program. These are all of the monitoring points that we 22 go to, the GMPs. We call those our gas-monitoring 23 probes. Those are probes that are in the earth, and we 24 measure the methane gas down there in those probes. 25 We have a series of them. We have a wall that</p> <p style="text-align: right;">Page 71</p>
<p>1 We'll find a nice place to hang out on Saturday, and all 2 day we'll go through Hunters Point Environmental 101; 3 and I'll just teach the basic elements of the program 4 and what we're all about. 5 I mean, we'll do that all day Saturday once we 6 reach a point in the program where we have enough new 7 members and then we have interest from any current 8 members. 9 MS. PENDERGRASS: Okay. That sounds good. 10 Okay. I just want to remind folks that the 11 best way to get any kind of board members on any board 12 is by referral from the other board members. 13 So there are -- there's a stack of 14 applications over on the table. So if you -- if each 15 member would take two or three applications with you and 16 discuss with folks around the neighborhood, you know, 17 submit one to them, that would be great, help us to kind 18 of round out representation. 19 All rightie, then. We are finished with 20 subcommittee reports, and we had Mr. Dauc- -- Dacus and 21 Mr. Morrison join us and so wanted to make sure that 22 Mr. Morrison didn't have anything else that he wanted to 23 provide in terms of anything today? 24 MR. MORRISON: No. 25 MS. PENDERGRASS: All right. Very good.</p> <p style="text-align: right;">Page 70</p>	<p>1 captures the landfill gas here along the north side of 2 our landfill; and over here in this kind of gray area 3 [indicating], this is where the University of 4 California-San Francisco research facility is. 5 And so we have probes on both on the landfill 6 site of the wall and then on the U.C.S.F. side of the 7 wall. And of course we're most -- we know there's going 8 to be some methane over here on the landfill side of the 9 wall. That's where we want to keep it. 10 When we get some readings of methane over here 11 on the U.C.S.F. side of the wall, then that causes us 12 some concern. And what we do there is: We have two 13 units that can extract methane. They're on site at all 14 times. We have got a generator out there. So when we 15 make these measurements and if they go above our trigger 16 level, then we start our extraction. 17 So we have our gas-monitoring probes. We look 18 at our -- some of the on-site structures, our catch 19 basins. 20 We're down to two extraction well vaults, and 21 that's going to be important here because we only have 2 22 left out of about 20 some because those have been 23 excavated as part of our PCB hot spot removal action. 24 And walking back over here to the map, that 25 removal action is taking place down here kind of on the</p> <p style="text-align: right;">Page 72</p>

<p>1 south side of the landfill. So what we have here is 2 excavation anywhere from 2 to 3 to about almost 10 feet 3 deep.</p> <p>4 And if you guys can remember December, we had 5 a lot of rain in December. So now there's quite a large 6 pond down in that area.</p> <p>7 Everything was pretty normal in December. We 8 have an action level that's half of our regulatory limit 9 that if it gets up to 2 1/2 percent methane, then we 10 start extraction. That's our trigger level to move in 11 our extraction units and remove methane.</p> <p>12 And if we do go over that limit, usually it 13 takes us about a day to bring it back down. We are kind 14 of close on one of them. At our gas monitoring probe 15 No. 24, it was almost up at 2 1/2 percent but just 16 barely under it.</p> <p>17 So we -- if it gets up that high, then we 18 usually go back a week later so to see if it's gone up. 19 If it's gone up, we do extraction. If it hasn't, then 20 we don't.</p> <p>21 And in this case, we went back; things are 22 normal. December 5th, I think that was before the big 23 rains hit. It's only at 2.3 percent.</p> <p>24 So again, notice that all but two of the 25 extraction well vaults have been removed during this</p> <p style="text-align: right;">Page 73</p>	<p>1 program and this extraction program in place until we 2 can get the final remedy in place on the landfill. So 3 until we do get that final remedy in place, we'll 4 continue with the monitoring program and this kind of 5 extraction.</p> <p>6 All right. Next slide.</p> <p>7 All right. This is what happened in January, 8 and it was bit of a surprise to us. We go out and do 9 our monitoring. And Gas-Monitoring Probe 1, 10 3.3 percent. So that exceeds our action level. That 11 tells us to go out and extract.</p> <p>12 This measurement is taken at 10 o'clock, and 13 by 2:30 it's up to 25 percent. Of course, they are 14 going and checking their meters. They are recalibrating 15 their meters. They are bringing in other meters to make 16 sure that, you know, what we are reading is a real 17 value; and they all check out.</p> <p>18 So Gas-Monitoring Probe No. 7, 7.2 percent, 19 and all the way up at 32 percent by 2:30.</p> <p>20 I'm going to show you over here on the map 21 where those are. Gas-Monitoring Probe No. 1 is over 22 here in the corner [indicating] and on the U.C.S.F. side 23 of the barrier where we collect the landfill gas through 24 here [indicating]. And Gas-Monitoring Probe No. 7 is 25 off over in this area [indicating].</p> <p style="text-align: right;">Page 75</p>
<p>1 removal action. Due to the rainy weather, much of this 2 area is now under water.</p> <p>3 And these are kind of our results for 4 December. Nothing too special, which is usually what we 5 see here. Nothing has exceeded our action limits, and 6 there's no need for extraction.</p> <p>7 Next slide.</p> <p>8 And here's just a graph of the methane 9 concentration at our gas-monitoring probes. If we get 10 up here to 2 1/2 percent, we extract. If we are below 11 2 1/2 percent, we are in good shape. And this is our 12 regulatory limit up here.</p> <p>13 Next slide.</p> <p>14 Now, these are the gas probes that we are 15 concerned about because these are the ones over on the 16 University of California at San Francisco research 17 compound. If they get up above 2 1/2 percent, which you 18 can see that they occasionally do on this blue line on 19 our Gas-Monitoring Probe No. 24, it builds up; it builds 20 up, goes over the limit. We turn on our extraction on 21 and drop it back down to zero, and it -- usually it 22 takes two or three months to build back up before we 23 have to extract again.</p> <p>24 And what we are doing is: All landfills 25 produce methane. And so we have got this monitoring</p> <p style="text-align: right;">Page 74</p>	<p>1 So, you know, they both exceed our trigger 2 levels. They bring the extraction equipment out and 3 start extracting.</p> <p>4 So as of this morning, let's see, we are down 5 to .4 percent at the gas-monitoring probe that is over 6 there in the corner of the map. That's No. 1. And we 7 are down to 6.8 percent at No. 7, and so we are 8 continuing our extraction out there.</p> <p>9 Now, let me show you what I think is 10 happening. I'm not sure. It's just a theory. And I 11 actually forget who I have to thank at the BCT for 12 coming up with this idea.</p> <p>13 But here's the landfill cap right here 14 [indicating]. This is an impermeable cap. So any 15 methane that's produced inside this landfill -- and 16 remember, all landfills produce methane -- any methane 17 produced inside here wants to rise up 'cause it's less 18 dense in there. Like a helium balloon, it's going to 19 want to rise up.</p> <p>20 It's going to rise up; it's going to hit that 21 cap, and it's going to want to look to the edge of the 22 cap. So ordinarily it might vent over here. You know, 23 we get some readings in these electrical vaults rooms 24 from time to time which shows us that we do have some 25 venting of methane over here.</p> <p style="text-align: right;">Page 76</p>

1 But now it comes over here, and this is a
2 pond. So this is saturated soil over here, not easy for
3 the methane to come up and vent. So it might want to
4 push out over this way.
5 So couple things are happening. We'll just
6 increase our monitoring frequency and extract when we
7 have to, keep the conditions safe.
8 And then over in the pond itself, I believe
9 it's -- we're scheduled to -- been working on the
10 discharge permit now for about two weeks. And I
11 think --
12 Gerry, aren't we within about two days of
13 turning that thing on?
14 We probably got about pretty close to -- I
15 know the water level's been dropping; but at one time,
16 we thought we had about a million gallons of water to
17 pump out there.
18 So that's kind of the situation. We just
19 wanted to make sure everybody knows about it. Methane
20 levels did go up.
21 But the monitoring program's in place. It
22 works. Extraction equipment is in place, and we're
23 extracting at both those probes, and the one probe is
24 down to below the limit. We'll keep monitoring it. And
25 the other probe we're still extracting from.

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1 MS. PENDERGRASS: Okay.
2 MR. BROOKS: So any questions on our landfill
3 gas? I don't see any.
4 Oh, Melita.
5 MS. RINES: Okay. So you're saying that it
6 was -- at 2:30 it was 32 percent?
7 MR. BROOKS: Yeah, 32 percent. And just
8 for -- just, you know, kind of so you can understand
9 what these -- what these numbers mean, there's a lower
10 explosive limit for methane, and there's an upper
11 explosive limit.
12 So there's a point at which, like in your car,
13 your mixture's too lean; your -- you know, your car
14 won't run. It's too rich; your car won't run. So too
15 lean is anything under 5 percent. Too rich is anything
16 over 15 percent.
17 MS. RINES: Okay. So if you're -- you're
18 getting the idea that it's venting from under the cap?
19 MR. BROOKS: Yeah, mm-hmm.
20 MS. PENDERGRASS: Thank you.
21 MS. RINES: Can you not vent the cap itself?
22 MR. BROOKS: Yeah, we can, and we have talked
23 about that too.
24 Like in the feasibility study for the
25 landfill, there's a couple of -- actually, there's three

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1 alternatives.

2 One, we always have to have for the
3 comparative alternate that's no action, which, you know,
4 nobody thinks that's going to happen. But that's one
5 that we are just required to compare stuff to.

6 The other one is -- you know, has as part of
7 it, landfill gas extraction has a series of points to
8 vent the cap.

9 And then, of course, the other alternative is
10 the removal alternative, removal of the landfill waste.

11 So we have talked about putting some vents in
12 the cap. But what I'm thinking is what's going to
13 really happen is when we drain this pond out, and it's
14 going to start venting naturally just around that cap.

15 And you got to remember too that methane is
16 not a toxic gas, but it is an explosive gas. So if it
17 has a preferential pathway to go through, then it can
18 build up to these levels that are not considered safe,
19 and that's when we have to do our extraction.

20 MS. PENDERGRASS: Mr. Tisdell and then
21 Mr. Hanif.

22 MR. TISDELL: Mr. Brooks.

23 MR. BROOKS: Yeah --

24 MR. TISDELL: Isn't there --

25 MR. BROOKS: -- Mr. Tisdell.

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1 MR. TISDELL: -- a monitoring well right in
2 the middle of the landfill?

3 MR. BROOKS: Yeah. We have a couple
4 monitoring wells in the landfill.

5 MR. TISDELL: You -- okay. Now, wouldn't
6 that -- you know, instead -- wouldn't that tell you
7 something if you look at them instead of letting all of
8 it go, you know, out wide?

9 MR. BROOKS: Yeah. One -- The monitoring
10 wells could be used for vents in the cap. They could
11 be. Right now they're closed off, but they could be
12 used for vents.

13 There's certainly -- When the groundwater
14 samplers go out there, they actually need to remove the
15 cap and let them, you know, air out a little bit because
16 you ha- -- they have methane in them already when they
17 open them up.

18 MS. PENDERGRASS: Mr. Hanif?

19 MR. HANIF: Do you know the reasoning for such
20 sharp fluctuations?

21 MR. BROOKS: Well, now, this is just a theory,
22 and I can't say that I actually know it, but it's an
23 idea and actually wasn't even my idea. Was it --? It
24 was Carla or Jim Ponton from the Water Board who brought
25 this up. And I thought about it, and I thought: Well,

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<p>1 that sounds like a good idea.</p> <p>2 But I think it's just because the methane</p> <p>3 is -- you know, ordinarily methane down in the southern</p> <p>4 part of landfill would have in this B group over</p> <p>5 there . . .</p> <p>6 MR. HANIF: Would have what?</p> <p>7 MR. ATTENDEE: Antenna.</p> <p>8 MR. HANIF: I can't hear you.</p> <p>9 MR. BROOKS: Okay, that's right. I did that</p> <p>10 before too. I'm a fast learner.</p> <p>11 So it's looking for a pathway out. So, yeah,</p> <p>12 I guess I -- actually, I don't know that, Chris, why it</p> <p>13 would fluctuate, why the -- why it just doesn't stay the</p> <p>14 same all the time. Yeah, it's really unusual.</p> <p>15 MS. PENDERGRASS: Mr. Morrison?</p> <p>16 MR. MORRISON: Just a simple follow-up to</p> <p>17 Chris's question. Why in such a short time?</p> <p>18 MR. BROOKS: That it would change like that --</p> <p>19 MR. MORRISON: Yeah.</p> <p>20 MR. BROOKS: -- from 3.3 to 25 percent?</p> <p>21 MR. MORRISON: Yeah. It's only a few hours.</p> <p>22 MR. BROOKS: I know.</p> <p>23 MS. PENDERGRASS: So at this point since you</p> <p>24 said twice that you don't know, by the next RAB meeting</p> <p>25 you might have some other speculations?</p> <p style="text-align: right;">Page 81</p>	<p>1 our monitoring -- First of all, our monitoring tries to</p> <p>2 be done the day before the BCT meetings so if we have</p> <p>3 something come up we can report it to the regulators.</p> <p>4 But the week prior to that, what we like to do</p> <p>5 is: We like to turn our extraction blowers on. We hook</p> <p>6 it up to our gas collection trench 'cause it's this --</p> <p>7 it's a 1400-foot-long trench that runs along this whole</p> <p>8 side of the landfill. We hook our extraction blowers up</p> <p>9 there, and we withdraw the methane.</p> <p>10 And then we let it sit over the weekend and we</p> <p>11 measure it on that Monday. So that would be -- you</p> <p>12 know, if the RAB meeting's on the fourth Thursday, then</p> <p>13 it's on the Monday preceding the fourth Thursday that we</p> <p>14 do our monitoring.</p> <p>15 Unless we have a situation where, let's say,</p> <p>16 like in December we get some -- one of the points</p> <p>17 measures 2.3 or 2.4, that usually will come back a week</p> <p>18 later, you know, a couple of weeks later, something like</p> <p>19 that, just to be sure. We won't wait a whole month.</p> <p>20 MS. PENDERGRASS: Okay. Well, thank you.</p> <p>21 Mr. Tisdell.</p> <p>22 MR. TISDELL: Have you had any more problems</p> <p>23 with that -- with that -- what you call it, that wall?</p> <p>24 You know that polyurethane?</p> <p>25 MR. BROOKS: Yeah, the GundWall?</p> <p style="text-align: right;">Page 83</p>
<p>1 MR. BROOKS: Yeah. I could probably -- I</p> <p>2 could probably even speculate more and more tonight.</p> <p>3 MS. PENDERGRASS: So perhaps we could --</p> <p>4 MR. FORMAN: Yeah, we're going back with -- we</p> <p>5 have got some -- a couple of companies that are -- do</p> <p>6 this for a living, the landfill experts; and we are</p> <p>7 going to go back and --</p> <p>8 MS. PENDERGRASS: Okay.</p> <p>9 MR. BROOKS: Yeah.</p> <p>10 MR. FORMAN: -- figure this out.</p> <p>11 MS. PENDERGRASS: So as an action item, would</p> <p>12 it make sense to just kind of provide a --</p> <p>13 MR. BROOKS: We'll --</p> <p>14 MS. PENDERGRASS: -- follow-up report?</p> <p>15 MR. BROOKS: -- give an update next time out.</p> <p>16 Yeah, you bet.</p> <p>17 MR. FORMAN: Sure.</p> <p>18 MS. PENDERGRASS: All right.</p> <p>19 Mr. Dacus.</p> <p>20 MR. DACUS: Yes, Mr. Brooks. On the -- On</p> <p>21 your monitor, do you have a regular schedule for the</p> <p>22 monitoring, or that's just based on, say, well, we do it</p> <p>23 one day, and the next week we may do it another day?</p> <p>24 MR. BROOKS: Yeah, we do have a regular</p> <p>25 schedule. What we'd like to do is: The week prior to</p> <p style="text-align: right;">Page 82</p>	<p>1 MR. TISDELL: The who?</p> <p>2 MR. BROOKS: Well, we call it the GundWall.</p> <p>3 MR. TISDELL: Yeah --</p> <p>4 MR. BROOKS: That's the manu- --</p> <p>5 MR. TISDELL: -- GundWall.</p> <p>6 MR. BROOKS: That's the manufacturer of it.</p> <p>7 MR. TISDELL: Have you had any more trouble</p> <p>8 out of that with the methane going over that way?</p> <p>9 MR. BROOKS: Well, that's what we are talking</p> <p>10 about here, yeah. This is the problem that we are</p> <p>11 having with it right now. And there's --</p> <p>12 MS. PENDERGRASS: Okay.</p> <p>13 MR. BROOKS: There's a couple of things that</p> <p>14 we'll just try to get into the next meeting when I have</p> <p>15 a little bit more time --</p> <p>16 MS. PENDERGRASS: Okay.</p> <p>17 MR. BROOKS: -- to talk about it. What do you</p> <p>18 think I'm going to say? The GundWall's been working</p> <p>19 perfectly. Look, it's 25 percent.</p> <p>20 MR. FORMAN: Yeah, I just want to say,</p> <p>21 Ms. Pendergrass, that we discovered this, I believe,</p> <p>22 Tuesday --</p> <p>23 MR. BROOKS: Tuesday morning.</p> <p>24 MR. FORMAN: -- Monday night.</p> <p>25 MR. BROOKS: Monday night.</p> <p style="text-align: right;">Page 84</p>

1 MR. FORMAN: Okay.
 2 MR. BROOKS: Monday night.
 3 MR. FORMAN: Tuesday morning got as much scoop
 4 as we could, told the BCT a few hours later. And so
 5 we're still --
 6 MS. PENDERGRASS: Trying to figure it out.
 7 MR. FORMAN: -- figuring this one out.
 8 MS. PENDERGRASS: Okay. All right. Very
 9 fine.
 10 We have just a couple more minutes, so I want
 11 to extend an opportunity to our audience if they have
 12 any comments or have any questions.
 13 Barring nothing, I have a question before we
 14 adjourn tonight of each of the RAB members.
 15 MR. TISDELL: Yes.
 16 MS. PENDERGRASS: So the question of the RAB
 17 members tonight is this: You all have been actively
 18 working with the RAB for the last year as well as you
 19 are going to continue your work for the rest of the
 20 year. So let's start off this year with sharing with
 21 one another -- and if everybody would just limit their
 22 comment to just the answering the question.
 23 And the question is, what is it that you're
 24 actually trying to do by sitting on the RAB? What is it
 25 that you're trying to affect in the community by your

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1 presence on the RAB?
 2 And if we could start with Miss Brownell. And
 3 I do know the difference between the regulators being
 4 paid here, but they also have a --
 5 DR. TOMPKINS: That's a big difference.
 6 MS. PENDERGRASS: -- have a question.
 7 MS. BROWNELL: Yes. The short answer would
 8 be: I'm required to be here, but that's the short --
 9 MS. PENDERGRASS: Pass the mic.
 10 MS. BROWNELL: I hope that I can help in any
 11 way with the RAB and provide any information that --
 12 from the Health Department City Redevelopment Agency
 13 developer perspective and also more importantly to take
 14 any information back the other direction and just hope I
 15 can help out as much as possible. Thanks.
 16 MS. PENDERGRASS: Miss Brown?
 17 MS. BROWN: I'm hoping to take information
 18 back to the artists at the Shipyard about what's going
 19 on.
 20 MR. DACUS: Well, my -- for my purpose being
 21 on the Board is to try to get enough information back to
 22 the neighborhood and to my organization that I'm
 23 involved with.
 24 MS. RINES: Ditto.
 25 MR. BROOKS: I'm not the RAB. Am I?

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1 MS. PENDERGRASS: No, you -- I'm sure there's
 2 a reason why you're sitting at this table tonight.
 3 MR. HANIF: Comic relief.
 4 MR. BROOKS: I'm here to clean up the Shipyard
 5 in the best way that I know how, and clean up is what I
 6 like to do the best. I'm trained to do this, and it's a
 7 part of my job I like to do the best. So that's why I'm
 8 here for.
 9 MS. PENDERGRASS: Mr. Forman?
 10 MR. FORMAN: Yes.
 11 Other than the obvious reasons that I am here
 12 and have an excellent attendance record when I'm not
 13 overseas is that I am a true believer, like I said the
 14 first RAB meeting when I became the RAB co-chair here,
 15 in that even if the Navy cleans up the base and does an
 16 outstanding job of that, if the community doesn't really
 17 know what's going on and has a chance to question us and
 18 review things and interact with us, then it will not be
 19 for the good.
 20 I'm a big believer in everybody understanding
 21 what we're doing and for everything the Navy does to be
 22 transparent. I think that's important, and that's what
 23 I strive for.
 24 MS. PENDERGRASS: Thank you.
 25 Mr. Morrison.

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1 MR. MORRISON: One of my reasons to sitting on
 2 the RAB is to ensure equal opportunity for participation
 3 in jobs and other opportunities, also to relay the
 4 ideas, perceptions, and values of my friends and
 5 neighbors to the RAB board, and also because I'm
 6 interested in environmental technology.
 7 MS. PENDERGRASS: Thank you.
 8 MR. WORK: As part of EPA's -- part of the
 9 agency's mission to involve the community in all of the
 10 decision-making up to the selection of the remedy of the
 11 cleanup of the site and in this case also reuse.
 12 MR. HANIF: My purpose for sitting on the RAB
 13 is, one, to gain awareness so I can impart that
 14 information to the community and also ensure that the
 15 people that are on the program are trained appropriately
 16 as well as being aware of and hopefully effect job
 17 opportunities for those people in our program that are
 18 residents within Hunters Point.
 19 MS. PENDERGRASS: Okay. Thank you.
 20 MR. LANPHAR: Excuse me. Similar to Michael
 21 in EPA, one of the missions of the Department of Toxic
 22 Substances Control is to ensure that the public are
 23 involved and informed in the decision-making that goes
 24 on at the Shipyard for the cleanup. So that's one of my
 25 roles is to make sure that happens and be involved in

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1 that.

2 Also, I see a role as regulators from the

3 State of California to represent the views of the State

4 and its laws and regulations in its interpretation of

5 what needs to be done here and how it needs to be done

6 here. So representative of the State of California.

7 And also, I hope to be able to help the

8 understanding, help the community to understand what the

9 issues are, what the problems that we are trying to face

10 and to translate those, how to translate those into

11 concepts that are more easily understandable.

12 I think we all try to do that on the BCT. I

13 think Keith did a good job of that in his presentation,

14 try to make sure we all understand what's going on.

15 And sorry for the aside, but Ray was --

16 actually just asked me. So that's sometimes our role

17 too --

18 MS. PENDERGRASS: Thank you.

19 MR. LANPHAR: -- and why I'm here and . . .

20 MS. PENDERGRASS: All right, Dr. Tompkins.

21 DR. TOMPKINS: Reason why I'm here is, one, to

22 represent Bayview-Hunters Point Coalition, and our

23 mission is to see that the best technology is applied to

24 this community, who's historically got the short end of

25 the stick, and to protect the community in that

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1 population which is at greatest risk. On a personal

2 note, it's also to keep my word to my father that I

3 would work for those efforts.

4 MS. PENDERGRASS: Thank you.

5 Mr. Tisdell.

6 MR. TISDELL: To be informed, to keep an eye

7 on the people so that way nothing get -- nothing gets

8 away. Thank you.

9 MS. PENDERGRASS: Well, thank you all for

10 sharing that. And as you can all see, there's a lot of

11 commonality in your statements. So I think we are all

12 on the same page. So I think we can remember that

13 everybody's striving for same goal when they have some

14 disagreements.

15 The other thing I'd like to do -- or add to

16 this tonight is that next week if the time permits, I'll

17 ask you all to think about --

18 MR. HANIF: Next week?

19 MS. PENDERGRASS: -- one sentence, one

20 comment --

21 MR. HANIF: You said, "next week."

22 DR. TOMPKINS: Next month.

23 MR. HANIF: Next month.

24 MS. PENDERGRASS: What did I say?

25 MR. HANIF: You said "next week"; and I'm,

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1 like --

2 MS. PENDERGRASS: Oh, my God, my heart. Next

3 month. Next month -- great -- I'll ask you all if you

4 will provide any information that you might want to

5 share with us in how we can make this more relevant to

6 the greater community, more relevant to you as a RAB

7 member, and any suggestions to make this a more

8 meaningful two-hour experience for you each month.

9 So with that, unless there's something dying

10 to say --

11 MR. TISDELL: Dying.

12 MS. PENDERGRASS: Mr. Tisdell.

13 MR. TISDELL: I would like to know your answer

14 to that question.

15 MS. PENDERGRASS: This meeting is adjourned.

16 (Off record at 7:49 p.m., 1/26/06.)

17 ---oOo---

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1 CERTIFICATE OF REPORTER

2

3 I, CHRISTINE M. NICCOLI, Certified Shorthand

4 Reporter of the State of California, do hereby certify

5 that the foregoing meeting was reported by me

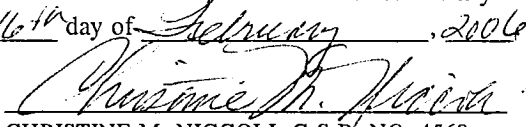
6 stenographically to the best of my ability at the time

7 and place aforementioned.

8 IN WITNESS WHEREOF, I have hereunto set my

9 hand this 16th day of February, 2006

10

11 

CHRISTINE M. NICCOLI, C.S.R. NO. 4569

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5

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June 5, 2006

Diane Silva
SWDIV Records Manager
Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132

Subject: Hunters Point Shipyard Information Repository/Administrative Record Submittals

Dear Ms. Silva,

Enclosed are three copies of the following documents for submittal to the Hunters Point Shipyard Information Repository/Administrative Record:

- Final January 26, 2006 Restoration Advisory Board Meeting Minutes
- Final February 23, 2006 Restoration Advisory Board Meeting Minutes
- Final February 23, 2006 Restoration Advisory Board Meeting Transcript
- Final March 23, 2006 Restoration Advisory Board Meeting Minutes
- Final March 23, 2006 Restoration Advisory Board Meeting Transcript
- Final April 27, 2006 Restoration Advisory Board Meeting Minutes
- Final April 27, 2006 Restoration Advisory Board Meeting Transcript

Please feel free to contact me or Angela Williams (Community Relations Specialist [619-338-0798, ext. 12]) if you have any questions.

Thank you,



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